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Upload Specifications

XML Schema Definition and Other Requirements for Second Hand Transactions Upload

Last Revised: March 23, 2009

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Document History

April 17, 2002	<ul style="list-style-type: none"> Initial release
June 19, 2002	<ul style="list-style-type: none"> Revised the schema declaration in the XML sample in the last section of this document. Removed the elements <i>WEIGHT</i>, <i>HEIGHT</i>, <i>HAIRCOLOR</i> and <i>EYECOLOR</i> from the sample XML. Clarified the optional requirement for the elements <i>WEIGHT</i>, <i>HEIGHT</i>, <i>HAIRCOLOR</i> and <i>EYECOLOR</i>. Added a section addressing how a shop can submit test transactions.
June 24, 2002	<ul style="list-style-type: none"> Added the quantity element with a default value of 1. Modified the model element reference in the item definition so that it is now optional.
June 26, 2002	<ul style="list-style-type: none"> Added note to the <i>price</i> element to clarify its use.
July 25, 2002	<ul style="list-style-type: none"> Simplified the XML sample namespace declaration. Changed the type for the <i>phone</i> and <i>workphone</i> element to be a string with a size limit of 25 characters. The values of the date element in the XML sample has been modified to show the use of Universal Time (UTC) for the time portion. Previously, the sample was showing the time represented as local time with an offset portion to indicate how to derive UTC time. See http://www.w3.org/TR/2001/REC-xmlschema-2-20010502/#dateTime for exact definition of the dateTime primitive datatype. Note that either formats are acceptable as far as the XML schema is concerned, but BWI will require the UTC format that ends with the letter "Z".
July 26, 2002	<ul style="list-style-type: none"> Changed the datatype for the attribute <i>transid</i> on the element transaction from <i>integer</i> to <i>string</i>.
October 29, 2002	<ul style="list-style-type: none"> Added "U" for unknown to the gender enumeration list.
April 28, 2003	<ul style="list-style-type: none"> Added new optional attribute to the transaction node in order to allow the specification of the transaction type. This attribute might be made mandatory in the future. There are currently four transaction types: <ul style="list-style-type: none"> B – Buy P – Pawn C – Claim R – Re-pawn Added a new node called <i>identification</i>. This is meant to record the identification provided by the customer (ie driver's license number) at the time of the transaction in a more generic way. The elements <i>id1type</i>, <i>id2type</i>, <i>id1</i>, <i>id2</i> are still valid but will be eventually be eliminated in favor of this method of reporting the customer identification. The sample XML data has been updated to show the new elements.
March 18, 2004	<ul style="list-style-type: none"> Added new node called <i>user</i>. This is meant to identify the person uploading the XML file as a user of BWI. User has the following required attributes: <ul style="list-style-type: none"> UserName – Unique identifier for user in shop Password – Used to confirm user's identity Removed subclass, changed class node to integer Added Appendix with available classes
October 28, 2004	<ul style="list-style-type: none"> Updated item diagram to reflect removal of subclass

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November 7, 2004	<ul style="list-style-type: none"> Added customerpicture, itempicture and fingerprint elements.
November 18, 2004	<ul style="list-style-type: none"> Updated Item element to reflect itempicture addition Changed the location of schema file (to reflect the new "schemas" directory) Added notes on "Digit" attribute for fingerprint element Added notes on "transtype" attribute for transaction element
February 3, 2005	<ul style="list-style-type: none"> Updated Class element to restrict its value to 1 or greater.
March 7, 2006	<ul style="list-style-type: none"> Updated Fingerprint description to specify GIF format Customer Weight should be an integer, not a decimal
November 30, 2007	<ul style="list-style-type: none"> Update Customer element to include middlename, race, build, id1issuer, id2issuer field Update Item element to include color field
February 24, 2009	<ul style="list-style-type: none"> Update Customer element to include IDImages in Customer IDs element
March 11, 2009	<ul style="list-style-type: none"> Added engravings element as sub element to item element Added declaration element as sub element to transaction element
March 23, 2009	<ul style="list-style-type: none"> Added "S" as new attribute value for transaction type.

Introduction

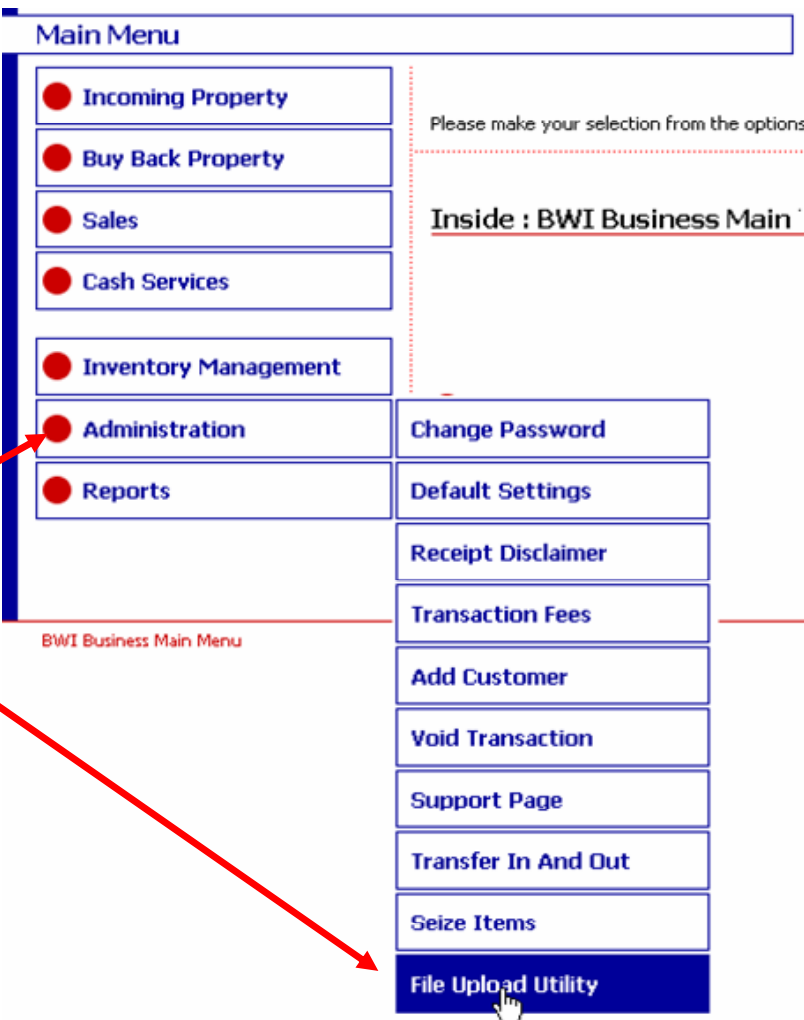
The purpose of this document is to describe the BWI compliant data format that allows your business to submit second hand transactions electronically. This XML schema follows the W3C standard for describing XML Schemas. Please see the document titled “XML Schema Part 0: Primer” <http://www.w3.org/TR/xmlschema-0> for an introduction to schemas.

Batch File Reporting Methods

BWI offers the following means of posting transaction records to the BWI central database: 1. End-of-business day process requiring limited user intervention

Method 1:

Method “1” requires limited human intervention on the part of the business user to execute an end-of-day procedure. Once reportable transactions have been finished for the day, the user generates the necessary export file from their point-of-sale application. The user then logs into the BWI Business web interface and selects the “File Upload Utility” option off the main menu as illustrated below:

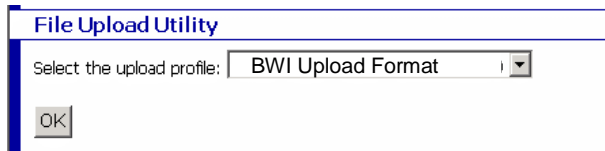


The screenshot displays the 'Main Menu' of the BWI Business web interface. The menu items are listed in a vertical column on the left, each with a red circular icon. The items are: Incoming Property, Buy Back Property, Sales, Cash Services, Inventory Management, Administration, and Reports. To the right of the menu is a sub-menu titled 'Inside : BWI Business Main'. This sub-menu contains the following options: Change Password, Default Settings, Receipt Disclaimer, Transaction Fees, Add Customer, Void Transaction, Support Page, Transfer In And Out, Seize Items, and File Upload Utility. The 'File Upload Utility' option is highlighted in dark blue, and a mouse cursor is visible over it. A red arrow points from the 'Administration' menu item to the 'File Upload Utility' option. Below the main menu, the text 'BWI Business Main Menu' is visible. A red dashed line separates the main menu from the sub-menu, with the text 'Please make your selection from the options' above it.

A sub-menu of “Administration” is illustrated. The “File Upload Utility” when selected will appear in dark blue.

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The system will present the user with the following screen.



File Upload Utility

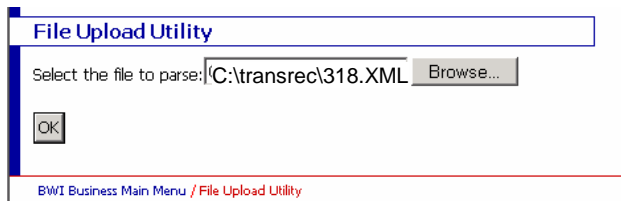
Select the upload profile: BWI Upload Format

OK

This menu enables the user to define which data format their point-of-sale application uses when generating the export file at the end-of-business day¹. (This document's purpose is to guide the developer in producing an export file in the specified BWI Upload Format).

In this example, the user is selecting the BWI Upload Format which is defined in greater detail further down.

As illustrated below, the system will then ask the business user for the location on their hard drive location of the data export file generated by their point-sale-application:



File Upload Utility

Select the file to parse: C:\transrec\318.XML Browse...

OK

BWI Business Main Menu / File Upload Utility

When the user selects "OK", the data is automatically posted to the BWI system (if the XML Schema file is generated by the POS application), or by converting the exported text file to an XML format file readable by the BWI system. No further processes are required of the user; however, the user may choose to generate a transaction listing report while logged into the BWI Business application. Many report options are available on the main menu and this will provide the user with a printable record of the transactions reported for the period, or for any user defined period.

¹ BWI has also developed a file conversion utility that maps the data fields generated by a variety of point-of-sale applications (i.e. Pawnmaster). The utility will convert the export file to the BWI XML schema. If your application is capable of generating an export file, but BWI has not developed the conversion process, it will do so on a fee for service basis.

Item Classification

All items on the BWI Business application are assigned to a class. This is done in order to easily identify the nature of the item and to make it easier for reporting. All items should be matched to a class. See Appendix A for a list of classes and their associated codes..

Testing your XML document

You can do test post of your XML document simply by submitting your XML document at the URL given above. Simply change your shop ID to 999, and the data will not be imported into the database. Should there be any error in your XML document (ie: not well formed or incorrect data), the web server will reply with an error message.

Technical Contact

For all technical questions related to this upload process, please contact the BWI Help Desk:

Phone : 1-877-404-3368

E-mail : helpdesk@bwiusa.com


Schema TransactionUploadv2.0.xsd

The following is the description of the different elements that are accepted as part of the XML post of second hand transactions electronically. See the next section for a sample XML file.

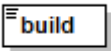
Elements

[birthdate](#), [build](#), [city](#), [class](#), [color](#), [customer](#), [customerpicture](#), [date](#), [declaration](#), [description](#), [employee](#), [engravings](#), [eyecolor](#), [fingerprint](#), [fname](#), [gender](#), [haircolor](#), [height](#), [id1](#), [id1image](#), [id1issuer](#), [id1type](#), [id2](#), [id2image](#), [id2issuer](#), [id2type](#), [identification](#), [import](#), [initials](#), [item](#), [itempicture](#), [lname](#), [make](#), [middlename](#), [model](#), [name](#), [phone](#), [postalcode](#), [price](#), [prov](#), [quantity](#), [race](#), [serial](#), [shop](#), [street](#), [transaction](#), [user](#), [weight](#), [workphone](#)

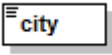
element birthdate

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:date
properties	content simple
used by	element customer
source	<code><xs:element name="birthdate" type="xs:date"/></code>

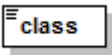
element build

diagram													
namespace	http://www.businesswatch.ca/uploadv2.0												
type	restriction of xs:string												
properties	content simple												
used by	element customer												
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Light</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Average</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Heavy</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	Light		enumeration	Average		enumeration	Heavy	
Kind	Value	annotation											
enumeration	Light												
enumeration	Average												
enumeration	Heavy												
source	<pre> <xs:element name="build"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Light"/> <xs:enumeration value="Average"/> <xs:enumeration value="Heavy"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>												


element city

diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element customer									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>30</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	30	
Kind	Value	annotation								
minLength	1									
maxLength	30									
source	<pre> <xs:element name="city"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="30"/> <xs:minLength value="1"/> <xs:pattern value=".+"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element class

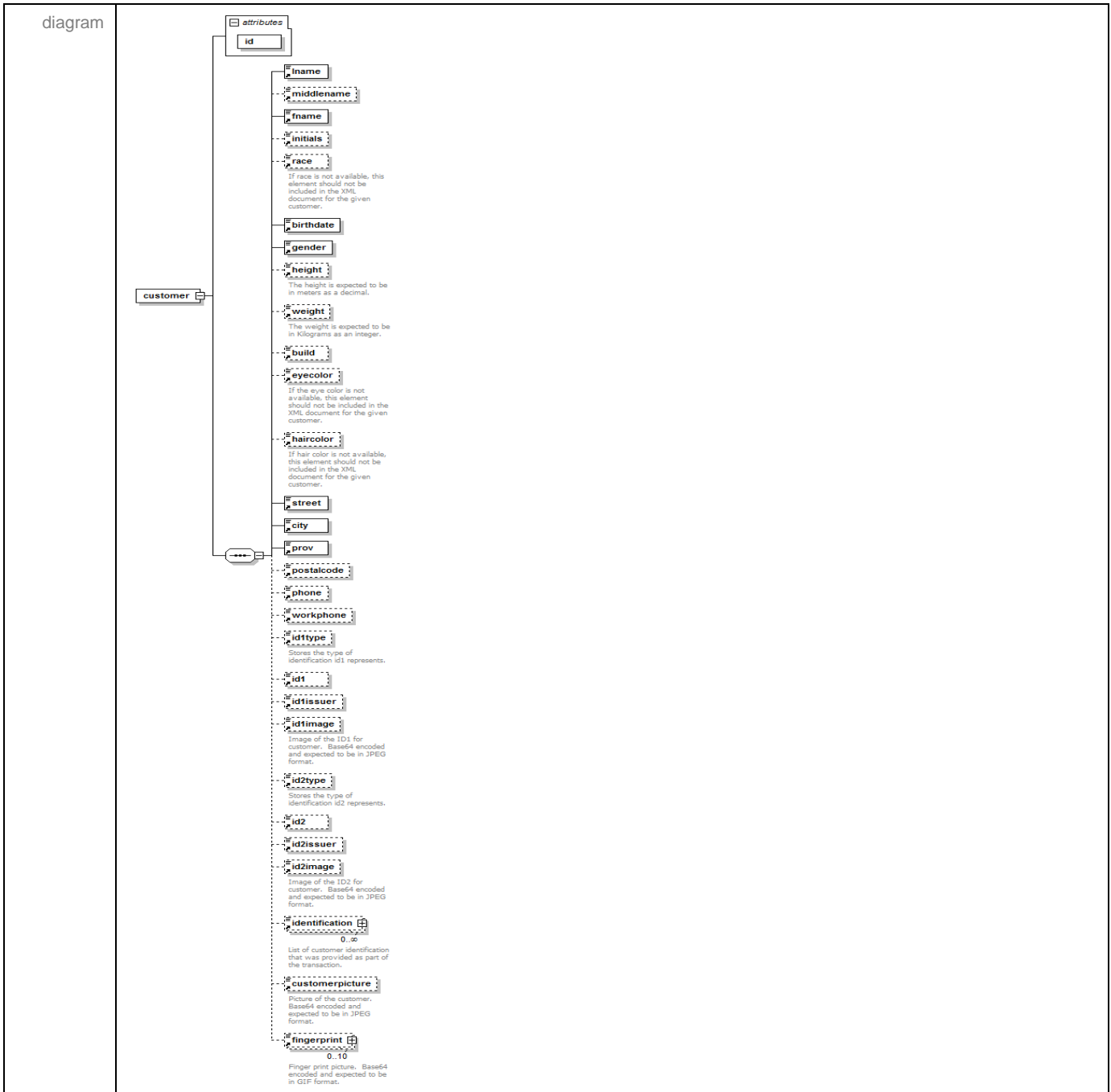
diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:integer						
properties	content simple						
used by	element item						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minInclusive	1	
Kind	Value	annotation					
minInclusive	1						
source	<pre> <xs:element name="class"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>						

element color

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple
used by	element item

facets	Kind	Value	annotation
	maxLength	32	
source	<pre> <xs:element name="color"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="32"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

element customer

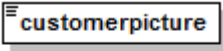


namespace	http://www.businesswatch.ca/uploadv2.0					
properties	content complex					
children	lname middlename fname initials race birthdate gender height weight build eyecolor haircolor street city prov postalcode phone workphone id1type id1 id1issuer id1image id2type id2 id2issuer id2image identification customerpicture fingerprint					
used by	element transaction					
attributes	Name	Type	Use	Default	Fixed	annotation
	id	xs:string	required			
source	<pre> <xs:element name="customer"> <xs:complexType> <xs:sequence> <xs:element ref="lname"/> <xs:element ref="middlename" minOccurs="0"/> <xs:element ref="fname"/> <xs:element ref="initials" minOccurs="0"/> <xs:element ref="race" minOccurs="0"/> <xs:element ref="birthdate"/> <xs:element ref="gender"/> <xs:element ref="height" minOccurs="0"/> <xs:element ref="weight" minOccurs="0"/> <xs:element ref="build" minOccurs="0"/> <xs:element ref="eyecolor" minOccurs="0"/> <xs:element ref="haircolor" minOccurs="0"/> <xs:element ref="street"/> <xs:element ref="city"/> <xs:element ref="prov"/> <xs:element ref="postalcode" minOccurs="0"/> <xs:element ref="phone" minOccurs="0"/> <xs:element ref="workphone" minOccurs="0"/> <xs:element ref="id1type" minOccurs="0"/> <xs:element ref="id1" minOccurs="0"/> <xs:element ref="id1issuer" minOccurs="0"/> <xs:element ref="id1image" minOccurs="0"/> <xs:element ref="id2type" minOccurs="0"/> <xs:element ref="id2" minOccurs="0"/> <xs:element ref="id2issuer" minOccurs="0"/> <xs:element ref="id2image" minOccurs="0"/> <xs:element ref="identification" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="customerpicture" minOccurs="0"/> <xs:element ref="fingerprint" minOccurs="0" maxOccurs="10"/> </xs:sequence> <xs:attribute name="id" type="xs:string" use="required"/> </xs:complexType> </xs:element> </pre>					


attribute customer/@id

type	xs:string
properties	isRef 0 use required
source	<xs:attribute name="id" type="xs:string" use="required"/>

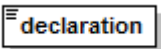
element **customerpicture**

diagram	 <p>Picture of the customer. Base64 encoded and expected to be in JPEG format.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:base64Binary
properties	content simple
used by	element customer
annotation	documentation Picture of the customer. Base64 encoded and expected to be in JPEG format.
source	<pre><xs:element name="customerpicture" type="xs:base64Binary"> <xs:annotation> <xs:documentation>Picture of the customer. Base64 encoded and expected to be in JPEG format.</xs:documentation> </xs:annotation> </xs:element></pre>


element **date**

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:dateTime
properties	content simple
used by	elements import transaction
source	<pre><xs:element name="date" type="xs:dateTime"/></pre>


element **declaration**

diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element transaction						
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>maxLength</td> <td>4000</td> <td></td> </tr> </table>	Kind	Value	annotation	maxLength	4000	
Kind	Value	annotation					
maxLength	4000						
source	<pre><xs:element name="declaration"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="4000"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

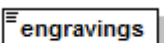
element description

diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element item									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>128</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	128	
Kind	Value	annotation								
minLength	1									
maxLength	128									
source	<pre><xs:element name="description"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="128"/> <xs:minLength value="1"/> <xs:pattern value="(\s)+"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element employee

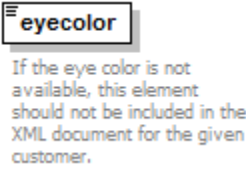
diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
properties	content complex
children	name
used by	element transaction
source	<pre><xs:element name="employee"> <xs:complexType> <xs:sequence> <xs:element ref="name"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element engravings

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple
used by	element item

facets	Kind Value annotation maxLength 40
source	<pre><xs:element name="engravings"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element eyecolor

diagram																									
namespace	http://www.businesswatch.ca/uploadv2.0																								
type	restriction of xs:string																								
properties	content simple																								
used by	element customer																								
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>Blue</td><td></td></tr> <tr><td>enumeration</td><td>Grey</td><td></td></tr> <tr><td>enumeration</td><td>Hazel</td><td></td></tr> <tr><td>enumeration</td><td>Green</td><td></td></tr> <tr><td>enumeration</td><td>Black</td><td></td></tr> <tr><td>enumeration</td><td>Brown</td><td></td></tr> <tr><td>enumeration</td><td>Other</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	Blue		enumeration	Grey		enumeration	Hazel		enumeration	Green		enumeration	Black		enumeration	Brown		enumeration	Other	
Kind	Value	annotation																							
enumeration	Blue																								
enumeration	Grey																								
enumeration	Hazel																								
enumeration	Green																								
enumeration	Black																								
enumeration	Brown																								
enumeration	Other																								
annotation	documentation If the eye color is not available, this element should not be included in the XML document for the given customer.																								
source	<pre><xs:element name="eyecolor"> <xs:annotation> <xs:documentation>If the eye color is not available, this element should not be included in the XML document for the given customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Blue"/> <xs:enumeration value="Grey"/> <xs:enumeration value="Hazel"/> <xs:enumeration value="Green"/> <xs:enumeration value="Black"/> <xs:enumeration value="Brown"/> <xs:enumeration value="Other"/> </xs:restriction> </xs:simpleType> </xs:element></pre>																								

element fingerprint

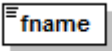
diagram						
namespace	http://www.businesswatch.ca/uploadv2.0					
type	extension of xs:base64Binary					
properties	content complex					
used by	element customer					
attributes	Name	Type	Use	Default	Fixed	annotation
	Digit	derived by: xs:integer	required			
annotation	<p>documentation Finger print picture. Base64 encoded and expected to be in GIF format.</p> <p>documentation 1 -> Right Thumb</p> <p>documentation 2 -> Right Index</p> <p>documentation 3 -> Right Middle</p> <p>documentation 4 -> Right Ring</p> <p>documentation 5 -> Right Little</p> <p>documentation 6 -> Left Thumb</p> <p>documentation 7 -> Left Index</p> <p>documentation 8 -> Left Middle</p> <p>documentation 9 -> Left Ring</p> <p>documentation 10 -> Left Little</p>					
source	<pre> <xs:element name="fingerprint"> <xs:annotation> <xs:documentation>Finger print picture. Base64 encoded and expected to be in GIF format.</xs:documentation> <xs:documentation>1 -> Right Thumb</xs:documentation> <xs:documentation>2 -> Right Index</xs:documentation> <xs:documentation>3 -> Right Middle</xs:documentation> <xs:documentation>4 -> Right Ring</xs:documentation> <xs:documentation>5 -> Right Little</xs:documentation> <xs:documentation>6 -> Left Thumb</xs:documentation> <xs:documentation>7 -> Left Index</xs:documentation> <xs:documentation>8 -> Left Middle</xs:documentation> <xs:documentation>9 -> Left Ring</xs:documentation> <xs:documentation>10 -> Left Little</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:base64Binary"> <xs:attribute name="Digit" use="required"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>					

	<pre> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>
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attribute fingerprint/@Digit

type	restriction of xs:integer																																	
properties	isRef 0 use required																																	
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>1</td><td></td></tr> <tr><td>enumeration</td><td>2</td><td></td></tr> <tr><td>enumeration</td><td>3</td><td></td></tr> <tr><td>enumeration</td><td>4</td><td></td></tr> <tr><td>enumeration</td><td>5</td><td></td></tr> <tr><td>enumeration</td><td>6</td><td></td></tr> <tr><td>enumeration</td><td>7</td><td></td></tr> <tr><td>enumeration</td><td>8</td><td></td></tr> <tr><td>enumeration</td><td>9</td><td></td></tr> <tr><td>enumeration</td><td>10</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	1		enumeration	2		enumeration	3		enumeration	4		enumeration	5		enumeration	6		enumeration	7		enumeration	8		enumeration	9		enumeration	10	
Kind	Value	annotation																																
enumeration	1																																	
enumeration	2																																	
enumeration	3																																	
enumeration	4																																	
enumeration	5																																	
enumeration	6																																	
enumeration	7																																	
enumeration	8																																	
enumeration	9																																	
enumeration	10																																	
source	<pre> <xs:attribute name="Digit" use="required"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> <xs:enumeration value="10"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>																																	


element **fname**

diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element customer									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	50	
Kind	Value	annotation								
minLength	1									
maxLength	50									
source	<pre> <xs:element name="fname"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> <xs:minLength value="1"/> <xs:pattern value=".+"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

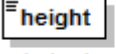
element **gender**

diagram																						
namespace	http://www.businesswatch.ca/uploadv2.0																					
type	restriction of xs:string																					
properties	content simple																					
used by	element customer																					
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>F</td> <td></td> </tr> <tr> <td>enumeration</td> <td>M</td> <td></td> </tr> <tr> <td>enumeration</td> <td>U</td> <td></td> </tr> <tr> <td>enumeration</td> <td>f</td> <td></td> </tr> <tr> <td>enumeration</td> <td>m</td> <td></td> </tr> <tr> <td>enumeration</td> <td>u</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	F		enumeration	M		enumeration	U		enumeration	f		enumeration	m		enumeration	u	
Kind	Value	annotation																				
enumeration	F																					
enumeration	M																					
enumeration	U																					
enumeration	f																					
enumeration	m																					
enumeration	u																					
source	<pre> <xs:element name="gender"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="F"/> <xs:enumeration value="M"/> <xs:enumeration value="U"/> <xs:enumeration value="f"/> <xs:enumeration value="m"/> <xs:enumeration value="u"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>																					

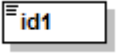
element **haircolor**

diagram	 <p>If hair color is not available, this element should not be included in the XML document for the given customer.</p>																																										
namespace	http://www.businesswatch.ca/uploadv2.0																																										
type	restriction of xs:string																																										
properties	content simple																																										
used by	element customer																																										
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>Black</td><td></td></tr> <tr><td>enumeration</td><td>Dark Brown</td><td></td></tr> <tr><td>enumeration</td><td>Brown</td><td></td></tr> <tr><td>enumeration</td><td>Light Brown</td><td></td></tr> <tr><td>enumeration</td><td>Sandy</td><td></td></tr> <tr><td>enumeration</td><td>Blonde</td><td></td></tr> <tr><td>enumeration</td><td>Auburn</td><td></td></tr> <tr><td>enumeration</td><td>Red</td><td></td></tr> <tr><td>enumeration</td><td>Dyed</td><td></td></tr> <tr><td>enumeration</td><td>Bald</td><td></td></tr> <tr><td>enumeration</td><td>Graying</td><td></td></tr> <tr><td>enumeration</td><td>Gray</td><td></td></tr> <tr><td>enumeration</td><td>Unknown</td><td></td></tr> </tbody> </table>	Kind	Value	annotation	enumeration	Black		enumeration	Dark Brown		enumeration	Brown		enumeration	Light Brown		enumeration	Sandy		enumeration	Blonde		enumeration	Auburn		enumeration	Red		enumeration	Dyed		enumeration	Bald		enumeration	Graying		enumeration	Gray		enumeration	Unknown	
Kind	Value	annotation																																									
enumeration	Black																																										
enumeration	Dark Brown																																										
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enumeration	Light Brown																																										
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enumeration	Blonde																																										
enumeration	Auburn																																										
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enumeration	Dyed																																										
enumeration	Bald																																										
enumeration	Graying																																										
enumeration	Gray																																										
enumeration	Unknown																																										
annotation	<p>documentation</p> <p>If hair color is not available, this element should not be included in the XML document for the given customer.</p>																																										
source	<pre> <xs:element name="haircolor"> <xs:annotation> <xs:documentation>If hair color is not available, this element should not be included in the XML document for the given customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Black"/> <xs:enumeration value="Dark Brown"/> <xs:enumeration value="Brown"/> <xs:enumeration value="Light Brown"/> <xs:enumeration value="Sandy"/> <xs:enumeration value="Blonde"/> <xs:enumeration value="Auburn"/> <xs:enumeration value="Red"/> <xs:enumeration value="Dyed"/> <xs:enumeration value="Bald"/> <xs:enumeration value="Graying"/> <xs:enumeration value="Gray"/> <xs:enumeration value="Unknown"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>																																										


element height

diagram	 <p>The height is expected to be in meters as a decimal.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:decimal
properties	content simple
used by	element customer
annotation	documentation The height is expected to be in meters as a decimal. documentation If no height is available, this element should not be included in the XML document for the given customer.
source	<pre><xs:element name="height" type="xs:decimal"> <xs:annotation> <xs:documentation>The height is expected to be in meters as a decimal.</xs:documentation> <xs:documentation>If no height is available, this element should not be included in the XML document for the given customer.</xs:documentation> </xs:annotation> </xs:element></pre>

element id1

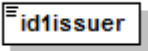
diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element customer						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	maxLength	50	
Kind	Value	annotation					
maxLength	50						
source	<pre><xs:element name="id1"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

element id1image

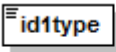
diagram	 <p>Image of the ID1 for customer. Base64 encoded and expected to be in JPEG format.</p>
---------	---

namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:base64Binary
properties	content simple
used by	element customer
annotation	documentation Image of the ID1 for customer. Base64 encoded and expected to be in JPEG format.
source	<pre><xs:element name="id1image" type="xs:base64Binary"> <xs:annotation> <xs:documentation>Image of the ID1 for customer. Base64 encoded and expected to be in JPEG format.</xs:documentation> </xs:annotation> </xs:element></pre>

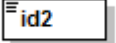
element id1issuer

diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element customer						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	maxLength	50	
Kind	Value	annotation					
maxLength	50						
source	<pre><xs:element name="id1issuer"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						


element id1type

diagram	 <p>Stores the type of identification id1 represents.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:string
properties	content simple
used by	element customer
annotation	documentation Stores the type of identification id1 represents.
source	<pre><xs:element name="id1type" type="xs:string"> <xs:annotation> <xs:documentation>Stores the type of identification id1 represents.</xs:documentation> </xs:annotation> </xs:element></pre>

element id2

diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element customer						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	maxLength	50	
Kind	Value	annotation					
maxLength	50						
source	<pre><xs:element name="id2"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

element id2image


diagram	 <p>Image of the ID2 for customer. Base64 encoded and expected to be in JPEG format.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:base64Binary
properties	content simple
used by	element customer
annotation	<p>documentation Image of the ID2 for customer. Base64 encoded and expected to be in JPEG format.</p>
source	<pre><xs:element name="id2image" type="xs:base64Binary"> <xs:annotation> <xs:documentation>Image of the ID2 for customer. Base64 encoded and expected to be in JPEG format.</xs:documentation> </xs:annotation> </xs:element></pre>

element id2issuer

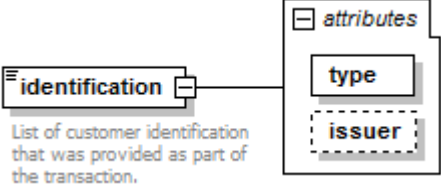
diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple

used by	element customer						
facets	<table border="1"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </table>	Kind	Value	annotation	maxLength	50	
Kind	Value	annotation					
maxLength	50						
source	<pre><xs:element name="id2issuer"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

element id2type

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:string
properties	content simple
used by	element customer
annotation	documentation Stores the type of identification id2 represents.
source	<pre><xs:element name="id2type" type="xs:string"> <xs:annotation> <xs:documentation>Stores the type of identification id2 represents.</xs:documentation> </xs:annotation> </xs:element></pre>

element identification

diagram																			
namespace	http://www.businesswatch.ca/uploadv2.0																		
type	extension of xs:string																		
properties	content complex																		
used by	element customer																		
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>type</td> <td>derived by: xs:integer</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>issuer</td> <td>derived by: xs:integer</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	annotation	type	derived by: xs:integer	required				issuer	derived by: xs:integer	optional			
Name	Type	Use	Default	Fixed	annotation														
type	derived by: xs:integer	required																	
issuer	derived by: xs:integer	optional																	
annotation	documentation List of customer identification that was provided as part of the transaction.																		
source	<pre><xs:element name="identification"> <xs:annotation></pre>																		

	<pre> <xs:documentation>List of customer identification that was provided as part of the transaction.</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="type" use="required"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="15"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="issuer" use="optional"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="134"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>
--	---

attribute **identification/@type**

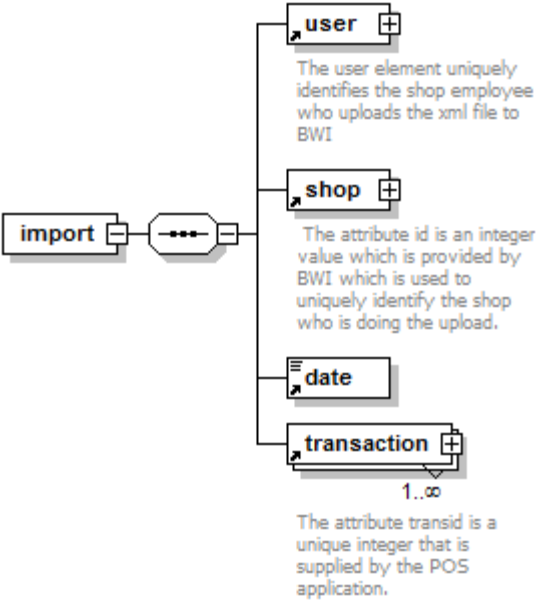
type	restriction of xs:integer									
properties	isRef 0 use required									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>15</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minInclusive	1		maxInclusive	15	
Kind	Value	annotation								
minInclusive	1									
maxInclusive	15									
source	<pre> <xs:attribute name="type" use="required"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="15"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>									

attribute **identification/@issuer**


type	restriction of xs:integer									
properties	isRef 0 use optional									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>134</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minInclusive	1		maxInclusive	134	
Kind	Value	annotation								
minInclusive	1									
maxInclusive	134									
source	<pre> <xs:attribute name="issuer" use="optional"> <xs:simpleType> </pre>									

	<pre> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="134"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
--	--

element import

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
properties	content complex
children	user shop date transaction
source	<pre> <xs:element name="import"> <xs:complexType> <xs:sequence> <xs:element ref="user"/> <xs:element ref="shop"/> <xs:element ref="date"/> <xs:element ref="transaction" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

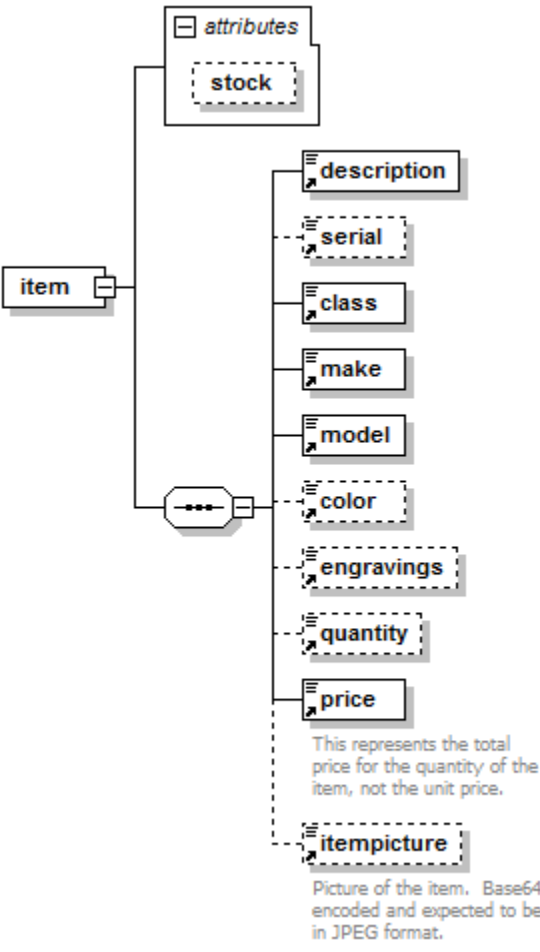
element initials

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple

Upload Specifications

used by	element customer
facets	Kind Value annotation maxLength 2
source	<pre><xs:element name="initials"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="2"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element item

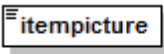
diagram													
namespace	http://www.businesswatch.ca/uploadv2.0												
properties	content complex												
children	description serial class make model color engravings quantity price itempicture												
used by	element transaction												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>stock</td> <td>xs:string</td> <td>optional</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	annotation	stock	xs:string	optional			
Name	Type	Use	Default	Fixed	annotation								
stock	xs:string	optional											
source	<pre><xs:element name="item"> <xs:complexType></pre>												

	<pre> <xs:sequence> <xs:element ref="description"/> <xs:element ref="serial" minOccurs="0"/> <xs:element ref="class"/> <xs:element ref="make"/> <xs:element ref="model"/> <xs:element ref="color" minOccurs="0"/> <xs:element ref="engravings" minOccurs="0"/> <xs:element ref="quantity" minOccurs="0"/> <xs:element ref="price"/> <xs:element ref="itempicture" minOccurs="0"/> </xs:sequence> <xs:attribute name="stock" type="xs:string" use="optional"/> </xs:complexType> </xs:element> </pre>
--	--

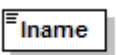
attribute item/@stock

type	xs:string
properties	isRef 0 use optional
source	<code><xs:attribute name="stock" type="xs:string" use="optional"/></code>

element itempicture

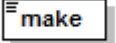
diagram	 <p>Picture of the item. Base64 encoded and expected to be in JPEG format.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:base64Binary
properties	content simple
used by	element item
annotation	documentation Picture of the item. Base64 encoded and expected to be in JPEG format.
source	<pre> <xs:element name="itempicture" type="xs:base64Binary"> <xs:annotation> <xs:documentation>Picture of the item. Base64 encoded and expected to be in JPEG format.</xs:documentation> </xs:annotation> </xs:element> </pre>

element Iname

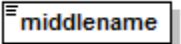
diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple

used by	element customer									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	50	
Kind	Value	annotation								
minLength	1									
maxLength	50									
source	<pre><xs:element name="lname"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> <xs:minLength value="1"/> <xs:pattern value=".+"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element make

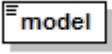
diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element item						
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>64</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	maxLength	64	
Kind	Value	annotation					
maxLength	64						
source	<pre><xs:element name="make"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

element middlename


diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element customer									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	50	
Kind	Value	annotation								
minLength	1									
maxLength	50									
source	<pre><xs:element name="middlename"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

	<pre> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---


element model

diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element item						
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>maxLength</td> <td>64</td> <td></td> </tr> </table>	Kind	Value	annotation	maxLength	64	
Kind	Value	annotation					
maxLength	64						
source	<pre> <xs:element name="model"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="64"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>						

element name


diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:string
properties	content simple
used by	elements employee shop
source	<pre> <xs:element name="name" type="xs:string"/> </pre>

element phone


diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element customer						
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>maxLength</td> <td>25</td> <td></td> </tr> </table>	Kind	Value	annotation	maxLength	25	
Kind	Value	annotation					
maxLength	25						
source	<pre> <xs:element name="phone"> <xs:simpleType> <xs:restriction base="xs:string"> </pre>						

	<pre><xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element></pre>
--	--

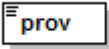
element **postalcode**

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:string
properties	content simple
used by	element customer
source	<pre><xs:element name="postalcode" type="xs:string"/></pre>

element **price**

diagram	 <p>This represents the total price for the quantity of the item, not the unit price.</p>
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:decimal
properties	content simple
used by	element item
annotation	documentation This represents the total price for the quantity of the item, not the unit price.
source	<pre><xs:element name="price" type="xs:decimal"> <xs:annotation> <xs:documentation>This represents the total price for the quantity of the item, not the unit price.</xs:documentation> </xs:annotation> </xs:element></pre>

element **prov**

diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element customer									
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>enumeration</td> <td>AA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>AB</td> <td></td> </tr> </table>	Kind	Value	annotation	enumeration	AA		enumeration	AB	
Kind	Value	annotation								
enumeration	AA									
enumeration	AB									

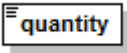
Upload Specifications

enumeration	AE
enumeration	AK
enumeration	AL
enumeration	AP
enumeration	AR
enumeration	AS
enumeration	AZ
enumeration	BC
enumeration	CA
enumeration	CO
enumeration	CT
enumeration	DC
enumeration	DE
enumeration	FL
enumeration	FM
enumeration	GA
enumeration	GU
enumeration	HI
enumeration	IA
enumeration	ID
enumeration	IL
enumeration	IN
enumeration	KS
enumeration	KY
enumeration	LA
enumeration	MA
enumeration	MB
enumeration	MD
enumeration	ME
enumeration	MH
enumeration	MI
enumeration	MN
enumeration	MO
enumeration	MP
enumeration	MS
enumeration	MT
enumeration	NB
enumeration	NC
enumeration	ND
enumeration	NE
enumeration	NF
enumeration	NH
enumeration	NJ
enumeration	NM
enumeration	NS
enumeration	NT
enumeration	NV
enumeration	NY


	<p>enumeration OH</p> <p>enumeration OK</p> <p>enumeration ON</p> <p>enumeration OR</p> <p>enumeration PA</p> <p>enumeration PE</p> <p>enumeration PR</p> <p>enumeration PW</p> <p>enumeration QC</p> <p>enumeration RI</p> <p>enumeration SC</p> <p>enumeration SD</p> <p>enumeration SK</p> <p>enumeration TN</p> <p>enumeration TT</p> <p>enumeration TX</p> <p>enumeration UT</p> <p>enumeration VA</p> <p>enumeration VI</p> <p>enumeration VT</p> <p>enumeration WA</p> <p>enumeration WI</p> <p>enumeration WV</p> <p>enumeration WY</p> <p>enumeration YT</p>
source	<pre> <xs:element name="prov"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="AA"/> <xs:enumeration value="AB"/> <xs:enumeration value="AE"/> <xs:enumeration value="AK"/> <xs:enumeration value="AL"/> <xs:enumeration value="AP"/> <xs:enumeration value="AR"/> <xs:enumeration value="AS"/> <xs:enumeration value="AZ"/> <xs:enumeration value="BC"/> <xs:enumeration value="CA"/> <xs:enumeration value="CO"/> <xs:enumeration value="CT"/> <xs:enumeration value="DC"/> <xs:enumeration value="DE"/> <xs:enumeration value="FL"/> <xs:enumeration value="FM"/> <xs:enumeration value="GA"/> <xs:enumeration value="GU"/> <xs:enumeration value="HI"/> <xs:enumeration value="IA"/> <xs:enumeration value="ID"/> <xs:enumeration value="IL"/> <xs:enumeration value="IN"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

```
<xs:enumeration value="KS"/>
<xs:enumeration value="KY"/>
<xs:enumeration value="LA"/>
<xs:enumeration value="MA"/>
<xs:enumeration value="MB"/>
<xs:enumeration value="MD"/>
<xs:enumeration value="ME"/>
<xs:enumeration value="MH"/>
<xs:enumeration value="MI"/>
<xs:enumeration value="MN"/>
<xs:enumeration value="MO"/>
<xs:enumeration value="MP"/>
<xs:enumeration value="MS"/>
<xs:enumeration value="MT"/>
<xs:enumeration value="NB"/>
<xs:enumeration value="NC"/>
<xs:enumeration value="ND"/>
<xs:enumeration value="NE"/>
<xs:enumeration value="NF"/>
<xs:enumeration value="NH"/>
<xs:enumeration value="NJ"/>
<xs:enumeration value="NM"/>
<xs:enumeration value="NS"/>
<xs:enumeration value="NT"/>
<xs:enumeration value="NV"/>
<xs:enumeration value="NY"/>
<xs:enumeration value="OH"/>
<xs:enumeration value="OK"/>
<xs:enumeration value="ON"/>
<xs:enumeration value="OR"/>
<xs:enumeration value="PA"/>
<xs:enumeration value="PE"/>
<xs:enumeration value="PR"/>
<xs:enumeration value="PW"/>
<xs:enumeration value="QC"/>
<xs:enumeration value="RI"/>
<xs:enumeration value="SC"/>
<xs:enumeration value="SD"/>
<xs:enumeration value="SK"/>
<xs:enumeration value="TN"/>
<xs:enumeration value="TT"/>
<xs:enumeration value="TX"/>
<xs:enumeration value="UT"/>
<xs:enumeration value="VA"/>
<xs:enumeration value="VI"/>
<xs:enumeration value="VT"/>
<xs:enumeration value="WA"/>
<xs:enumeration value="WI"/>
<xs:enumeration value="WV"/>
<xs:enumeration value="WY"/>
<xs:enumeration value="YT"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
```


element quantity

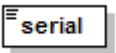
diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:integer
properties	content simple default 1
used by	element item
source	<code><xs:element name="quantity" type="xs:integer" default="1"/></code>

element race

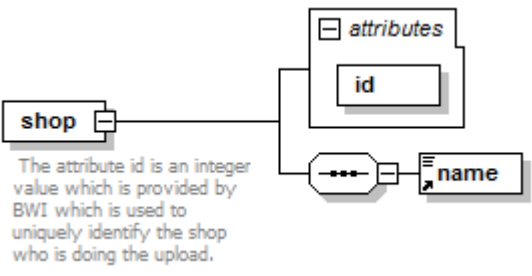
diagram	 <p>If race is not available, this element should not be included in the XML document for the given customer.</p>																																	
namespace	http://www.businesswatch.ca/uploadv2.0																																	
type	restriction of xs:string																																	
properties	content simple																																	
used by	element customer																																	
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>White</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Indian - Canadian</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Indian - American</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Metis - Canadian</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Metis - American</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Black</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Oriental</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Pakistan</td> <td></td> </tr> <tr> <td>enumeration</td> <td>East Indian</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Other</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	White		enumeration	Indian - Canadian		enumeration	Indian - American		enumeration	Metis - Canadian		enumeration	Metis - American		enumeration	Black		enumeration	Oriental		enumeration	Pakistan		enumeration	East Indian		enumeration	Other	
Kind	Value	annotation																																
enumeration	White																																	
enumeration	Indian - Canadian																																	
enumeration	Indian - American																																	
enumeration	Metis - Canadian																																	
enumeration	Metis - American																																	
enumeration	Black																																	
enumeration	Oriental																																	
enumeration	Pakistan																																	
enumeration	East Indian																																	
enumeration	Other																																	
annotation	<p>documentation</p> <p>If race is not available, this element should not be included in the XML document for the given customer.</p>																																	
source	<pre> <xs:element name="race"> <xs:annotation> <xs:documentation>If race is not available, this element should not be included in the XML document for the given customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="White"/> <xs:enumeration value="Indian - Canadian"/> <xs:enumeration value="Indian - American"/> <xs:enumeration value="Metis - Canadian"/> <xs:enumeration value="Metis - American"/> <xs:enumeration value="Black"/> <xs:enumeration value="Oriental"/> <xs:enumeration value="Pakistan"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>																																	

	<pre> <xs:enumeration value="East Indian"/> <xs:enumeration value="Other"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element serial

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	restriction of xs:string
properties	content simple
used by	element item
facets	Kind Value annotation maxLength 40
source	<pre> <xs:element name="serial"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element shop


diagram	 <p>The attribute id is an integer value which is provided by BWI which is used to uniquely identify the shop who is doing the upload.</p>												
namespace	http://www.businesswatch.ca/uploadv2.0												
properties	content complex												
children	name												
used by	element import												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>id</td> <td>xs:integer</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	annotation	id	xs:integer	required			
Name	Type	Use	Default	Fixed	annotation								
id	xs:integer	required											
annotation	documentation The attribute id is an integer value which is provided by BWI which is used to uniquely identify the shop who is doing the upload.												
source	<pre> <xs:element name="shop"> <xs:annotation> <xs:documentation> The attribute id is an integer value which is provided by BWI which is used to uniquely identify the shop who is doing the upload.</xs:documentation> </xs:annotation> <xs:complexType> </pre>												

	<pre> <xs:sequence> <xs:element ref="name"/> </xs:sequence> <xs:attribute name="id" type="xs:integer" use="required"/> </xs:complexType> </xs:element> </pre>
--	---

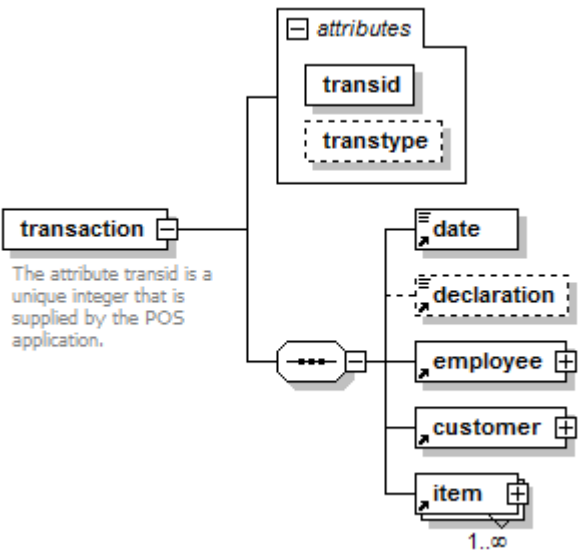
attribute **shop/@id**

type	xs:integer
properties	isRef 0 use required
source	<pre><xs:attribute name="id" type="xs:integer" use="required"/></pre>

element **street**

diagram										
namespace	http://www.businesswatch.ca/uploadv2.0									
type	restriction of xs:string									
properties	content simple									
used by	element customer									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>50</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	minLength	1		maxLength	50	
Kind	Value	annotation								
minLength	1									
maxLength	50									
source	<pre> <xs:element name="street"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="50"/> <xs:minLength value="1"/> <xs:pattern value=".+"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element transaction

<p>diagram</p>	 <p>The attribute transid is a unique integer that is supplied by the POS application.</p>																		
<p>namespace</p>	<p>http://www.businesswatch.ca/uploadv2.0</p>																		
<p>properties</p>	<p>content complex</p>																		
<p>children</p>	<p>date declaration employee customer item</p>																		
<p>used by</p>	<p>element import</p>																		
<p>attributes</p>	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>transid</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>transtype</td> <td>derived by: xs:string</td> <td>optional</td> <td>P</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	annotation	transid	xs:string	required				transtype	derived by: xs:string	optional	P		
Name	Type	Use	Default	Fixed	annotation														
transid	xs:string	required																	
transtype	derived by: xs:string	optional	P																
<p>annotation</p>	<p>documentation The attribute transid is a unique integer that is supplied by the POS application. The attribute transtype could be one of the following "P" for Pawn, "B" for Buy, "C" for Claim, "R" for Repawn and "S" for conSignment.</p>																		
<p>source</p>	<pre> <xs:element name="transaction"> <xs:annotation> <xs:documentation>The attribute transid is a unique integer that is supplied by the POS application.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="date"/> <xs:element ref="declaration" minOccurs="0"/> <xs:element ref="employee"/> <xs:element ref="customer"/> <xs:element ref="item" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="transid" type="xs:string" use="required"/> <xs:attribute name="transtype" use="optional" default="P"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="P"/> <xs:enumeration value="B"/> <xs:enumeration value="C"/> <xs:enumeration value="R"/> <xs:enumeration value="S"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>																		

	<pre> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType> </xs:element> </pre>
--	---

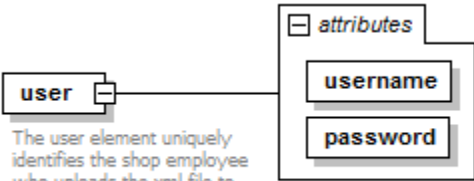
attribute **transaction/@transid**

type	xs:string
properties	isRef 0 use required
source	<code><xs:attribute name="transid" type="xs:string" use="required"/></code>

attribute **transaction/@transtype**

type	restriction of xs:string															
properties	isRef 0 default P use optional															
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>P</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C</td> <td></td> </tr> <tr> <td>enumeration</td> <td>R</td> <td></td> </tr> </tbody> </table>	Kind	Value	annotation	enumeration	P		enumeration	B		enumeration	C		enumeration	R	
Kind	Value	annotation														
enumeration	P															
enumeration	B															
enumeration	C															
enumeration	R															
source	<pre> <xs:attribute name="transtype" use="optional" default="P"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="P"/> <xs:enumeration value="B"/> <xs:enumeration value="C"/> <xs:enumeration value="R"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>															

element **user**

diagram	 <p>The user element uniquely identifies the shop employee who uploads the xml file to BWI</p>																		
namespace	http://www.businesswatch.ca/uploadv2.0																		
properties	content complex																		
used by	element import																		
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>annotation</th> </tr> </thead> <tbody> <tr> <td>username</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> <tr> <td>password</td> <td>xs:string</td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	annotation	username	xs:string	required				password	xs:string	required			
Name	Type	Use	Default	Fixed	annotation														
username	xs:string	required																	
password	xs:string	required																	

Upload Specifications

annotation	<p>documentation The user element uniquely identifies the shop employee who uploads the xml file to BWI</p> <p>documentation The username attribute is a string which is used to uniquely identify the user who is doing the upload</p> <p>documentation The password attribute is a string which is used to confirm the identity of the user who is doing the upload</p>
source	<pre><xs:element name="user"> <xs:annotation> <xs:documentation>The user element uniquely identifies the shop employee who uploads the xml file to BWI</xs:documentation> <xs:documentation>The username attribute is a string which is used to uniquely identify the user who is doing the upload</xs:documentation> <xs:documentation>The password attribute is a string which is used to confirm the identity of the user who is doing the upload</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="username" type="xs:string" use="required"/> <xs:attribute name="password" type="xs:string" use="required"/> </xs:complexType> </xs:element></pre>

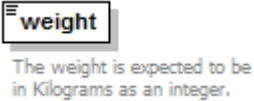
attribute user/@username

type	xs:string
properties	isRef 0 use required
source	<pre><xs:attribute name="username" type="xs:string" use="required"/></pre>

attribute user/@password

type	xs:string
properties	isRef 0 use required
source	<pre><xs:attribute name="password" type="xs:string" use="required"/></pre>


element weight

diagram	
namespace	http://www.businesswatch.ca/uploadv2.0
type	xs:integer
properties	content simple
used by	element customer
annotation	<p>documentation The weight is expected to be in Kilograms as an integer.</p> <p>documentation If no weight is available, this element should not be included in the XML document for the given customer.</p>
source	<pre><xs:element name="weight" type="xs:integer"> <xs:annotation> <xs:documentation>The weight is expected to be in Kilograms as an integer.</xs:documentation> <xs:documentation>If no weight is available, this element should not be included in the XML</pre>

Upload Specifications

	document for the given customer.</xs:documentation> </xs:annotation> </xs:element>
--	--

element **workphone**

diagram							
namespace	http://www.businesswatch.ca/uploadv2.0						
type	restriction of xs:string						
properties	content simple						
used by	element customer						
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>annotation</td> </tr> <tr> <td>maxLength</td> <td>25</td> <td></td> </tr> </table>	Kind	Value	annotation	maxLength	25	
Kind	Value	annotation					
maxLength	25						
source	<pre><xs:element name="workphone"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element></pre>						

Sample XML File

Below is a sample XML file that can be posted to BWI. This XML document contains information about two customers. The first customer has one item and the second customer has two items.

```
<?xml version="1.0" encoding="UTF-8"?>
<import xmlns="http://www.businesswatch.ca/uploadv2.0">
  <user username="jdoe" password="password"/>
  <shop id="999">
    <name>Cash Converter Regina</name>
  </shop>
  <date>2002-03-24T08:06:53Z</date>
    <transaction transid="52665" transtype="P">
      <date>2002-03-23T13:24:36Z</date>
      <employee>
        <name>DARREN</name>
      </employee>
      <customer id="20574">
        <lname>GILL</lname>
        <middlename>GH</middlename>
        <fname>HARBANS</fname>
        <initials>si</initials>
        <race>White</race>
        <birthdate>1959-10-01</birthdate>
        <gender>M</gender>
        <build>Light</build>
        <street>111 WHITESTONE DRES NE</street>
        <city>CALGARY</city>
        <prov>AB</prov>
        <postalcode/>
        <phone>1</phone>
        <workphone>1</workphone>
        <id1type>DL</id1type>
        <id1>14481992</id1>
        <id1issuer>11</id1issuer>

        <id2type>IMMIGRATE</id2type>
        <id2>4753044</id2>
        <id2issuer>23</id2issuer>
        <identification type="1" issuer="11">14481992</identification>
        <identification type="3" issuer="23">4753044</identification>
      </customer>
      <item stock="251949">
        <description>DEWALT DRILL DW222</description>
        <serial>707939920E</serial>
        <class>338</class>
        <make>DEWALT DRILL</make>
        <model>DW222</model>
        <color>blue</color>
        <price>25</price>
      </item>
    </transaction>
    <transaction transid="52667">
      <date>2002-03-23T14:01:32Z</date>
      <employee>
        <name>DARREN</name>
      </employee>
      <customer id="20550">
        <lname>FLEMING</lname>
        <middlename>A</middlename>
        <fname>JOSHUA</fname>
        <initials>FJ</initials>
        <race>White</race>
```




Upload Specifications

```
<color>blue</color>  
<price>2</price>  
</item>  
</transaction>  
</import>
```


Appendix A

ClassID	Class Description
366	Antiques / Collectibles --- Other ---
506	Antiques / Collectibles Ceramics
507	Antiques / Collectibles Figurines
626	Antiques / Collectibles Knives
509	Antiques / Collectibles Silverware
505	Antiques / Collectibles Stamps - Postage New
503	Antiques / Collectibles Stamps - Sub-mint
504	Antiques / Collectibles Stamps - Used
508	Antiques / Collectibles Vase
359	Appliance Large --- Other ---
416	Appliance Large Air Conditioner
363	Appliance Large Dryer
364	Appliance Large Freezer
360	Appliance Large Fridge
435	Appliance Large Fridge - Bar
491	Appliance Large Grill
361	Appliance Large Stove
362	Appliance Large Washer
322	Appliance Small --- Other ---
59	Appliance Small Blender
60	Appliance Small Breadmaker
437	Appliance Small Clock
436	Appliance Small Coffee Maker
641	Appliance Small De-humidifier
480	Appliance Small Electric Cooler
61	Appliance Small Fan
417	Appliance Small Food Mixer
62	Appliance Small Food Processor
365	Appliance Small Garburator
63	Appliance Small Heater
64	Appliance Small Humidifier
65	Appliance Small Iron
501	Appliance Small Meat Slicer
66	Appliance Small Microwave
518	Appliance Small Pasta Machine
418	Appliance Small Sewing Machine
67	Appliance Small Shampooer/Steamer
68	Appliance Small Toaster
69	Appliance Small Vacuum
358	Art --- Other ---
562	Art Painting
425	Art Picture
563	Art Print
561	Art Sculpture
564	Art Wall Hanging
319	Bicycle --- Other ---
31	Bicycle Beach Cruiser

Upload Specifications

32	Bicycle Bicycle Light
421	Bicycle Child Bike
33	Bicycle Mountain Bike
34	Bicycle Racing Bike
605	Bicycle Scooter
35	Bicycle Speedometer
36	Bicycle Touring Bike
37	Bicycle Touring Racer
315	Camera / Optics --- Other ---
347	Camera / Optics 35MM Camera
39	Camera / Optics 8MM Video Camera
576	Camera / Optics APS Camera
41	Camera / Optics Autowinder
339	Camera / Optics Binoculars
536	Camera / Optics Camcorder
42	Camera / Optics Case
40	Camera / Optics Converter
577	Camera / Optics Digital 8 Video Camera
422	Camera / Optics Digital Camera
578	Camera / Optics Digital Video Camera
542	Camera / Optics Disposable Camera
43	Camera / Optics Flash
579	Camera / Optics Hi 8 Video Camera
580	Camera / Optics Instant Camera
44	Camera / Optics Lens
346	Camera / Optics Microscope
581	Camera / Optics Miscellaneous
582	Camera / Optics Point & Shoot Camera
517	Camera / Optics Polaroid Camera
528	Camera / Optics Projector / Lens
583	Camera / Optics Rangefinder
344	Camera / Optics Scope
343	Camera / Optics Studio Light
45	Camera / Optics Teleconverter
16	Camera / Optics Telephoto Lens
345	Camera / Optics Telescope
529	Camera / Optics Tri-Pods
348	Camera / Optics VHS Video Camera
349	Camera / Optics VHS-C Video Camera
616	Camera Accessories --- Other ---
586	Camera Accessories Autofocus Flash
587	Camera Accessories Autofocus SLR Accessories
584	Camera Accessories Autofocus SLR Body
585	Camera Accessories Autofocus SLR Lens
588	Camera Accessories Darkroom
589	Camera Accessories Digital
590	Camera Accessories Esoteric
591	Camera Accessories Large Format
600	Camera Accessories Manual Focus SLR Accessories
592	Camera Accessories Manual Focus SLR Body

Upload Specifications

593	Camera Accessories Manual Focus SLR Lens
598	Camera Accessories Medium Format Accessories
596	Camera Accessories Medium Format Back
594	Camera Accessories Medium Format Body
597	Camera Accessories Medium Format Finder
595	Camera Accessories Medium Format Lens
599	Camera Accessories Meters / Accessories
601	Camera Accessories Miscellaneous
602	Camera Accessories SLR Flash
603	Camera Accessories Video
351	Child Accessory --- Other ---
350	Child Accessory Car Seat
543	Child Accessory Stroller
353	Coins --- Other ---
355	Coins Coin Set
511	Coins Currency
510	Coins Exonumia
352	Coins Gold
514	Coins Mint product
515	Coins Paper money
513	Coins Platinum
354	Coins Silver
512	Coins World Coin
337	Demo --- Other ---
313	Demo Demo
395	Farm Implements --- Other ---
398	Farm Implements Combine-Self Propelled
397	Farm Implements Combine-Tractor Pulled
400	Farm Implements Harrow
402	Farm Implements Plow
396	Farm Implements Seeder
401	Farm Implements Sprayer
399	Farm Implements Swather
403	Farm Implements Tractor-Farm
440	Firearm Accessories Gun Case
441	Firearm Accessories Gun Powder
502	Firearm Accessories Laser Sight
439	Firearm Accessories -Other-
498	Firearm Accessories Scope
320	Firearms --- Other ---
46	Firearms Air Guns
606	Firearms Automatic
47	Firearms Black Powder
609	Firearms Carbine
608	Firearms Derringer
610	Firearms Flintlock
185	Firearms Gun Case
611	Firearms Percussion
48	Firearms Pistol
607	Firearms Revolver

Upload Specifications

49	Firearms Rifle
184	Firearms Rifle Case
50	Firearms Shotgun
612	Firearms Shotgun Combo
617	Furniture --- Other ---
614	Furniture Coffee Table
613	Furniture Couch
615	Furniture Dresser
526	Game Cartridges/Accessories Accessories
450	Game Cartridges/Accessories Adapter
449	Game Cartridges/Accessories Controller
447	Game Cartridges/Accessories Dreamcast Game
448	Game Cartridges/Accessories Gameboy Game
469	Game Cartridges/Accessories Memory Card
637	Game Cartridges/Accessories Microsoft 360 Game
668	Game Cartridges/Accessories Neo Geo Pocket Games
443	Game Cartridges/Accessories Nintendo 64 Game
659	Game Cartridges/Accessories Nintendo DS Game
444	Game Cartridges/Accessories Nintendo Game
568	Game Cartridges/Accessories Nintendo GameCube Game
660	Game Cartridges/Accessories Nintendo Wii Game
666	Game Cartridges/Accessories Nokia N-Gage Games
442	Game Cartridges/Accessories -Other Games-
445	Game Cartridges/Accessories Sega Genesis Game
446	Game Cartridges/Accessories Sega Saturn Game
539	Game Cartridges/Accessories Sony Playstation 2 Game
658	Game Cartridges/Accessories Sony Playstation 3 Game
451	Game Cartridges/Accessories Sony Playstation Game
638	Game Cartridges/Accessories Sony PSP Game
458	Game Cartridges/Accessories Super Nintendo Game
566	Game Cartridges/Accessories Xbox Game
334	Game Systems --- Other ---
51	Game Systems Cartridge
433	Game Systems Dreamcast
409	Game Systems Gameboy
623	Game Systems Gameboy Advance SP
636	Game Systems Microsoft 360
667	Game Systems Neo Geo Pocket Systems
410	Game Systems Nintendo
356	Game Systems Nintendo 64
661	Game Systems Nintendo DS
567	Game Systems Nintendo GameCube
662	Game Systems Nintendo Wii
665	Game Systems Nokia N-Gage Systems
494	Game Systems Sega Game Gear
408	Game Systems Sega Genesis
407	Game Systems Sega Saturn
357	Game Systems Sony Playstation
540	Game Systems Sony Playstation 2
657	Game Systems Sony Playstation 3

Upload Specifications

635	Game Systems Sony PSP
411	Game Systems Super Nintendo
52	Game Systems System
565	Game Systems XBox
321	Golf Equipment --- Other ---
55	Golf Equipment Drivers
53	Golf Equipment Golf Bag
54	Golf Equipment Golf Cart
56	Golf Equipment Golfset
57	Golf Equipment Irons
58	Golf Equipment Putter
423	Golf Equipment Sand Wedge
324	Jewelry --- Other ---
430	Jewelry Anklet
70	Jewelry Band
493	Jewelry Bangel
71	Jewelry Bracelet
72	Jewelry Broach
431	Jewelry Chain
432	Jewelry Costume Jewelry
73	Jewelry Cufflinks
74	Jewelry Earrings
438	Jewelry Gemstone
426	Jewelry Locket
75	Jewelry Necklace
76	Jewelry Pendant / Charm
78	Jewelry Ring
79	Jewelry Ringset
487	Jewelry Scrap Gold
488	Jewelry Scrap Silver
492	Jewelry Tiara
80	Jewelry Watch
537	Jewelry Watch-Ladies
538	Jewelry Watch-Mens
77	Jewelry Watch-Pocket
325	Lawn & Garden --- Other ---
82	Lawn & Garden Chainsaw
83	Lawn & Garden Edger
84	Lawn & Garden Hedger
85	Lawn & Garden Ladder
642	Lawn & Garden Leaf Blower
86	Lawn & Garden Mower
369	Lawn & Garden Riding Mower
87	Lawn & Garden Rototiller
81	Lawn & Garden Snow Blower
88	Lawn & Garden Weed Eater
406	Lawn & Garden Wheel Barrel
326	Marine Equipment --- Other ---
373	Marine Equipment Canoe
114	Marine Equipment Depth Finder

Upload Specifications

115	Marine Equipment Diving Equipment
116	Marine Equipment Fishing Reel
117	Marine Equipment Fishing Rod
372	Marine Equipment Inflatable Boat
624	Marine Equipment Kayak
118	Marine Equipment Lifejacket
119	Marine Equipment Outboard Motor
371	Marine Equipment Rod & Reel
370	Marine Equipment Tackle Box
327	Music Accessory --- Other ---
90	Music Accessory Case
91	Music Accessory Cymbal
92	Music Accessory Drum Machine
93	Music Accessory Drum Stand
94	Music Accessory Drum Throne
95	Music Accessory Effects module
106	Music Accessory Effects pedal
89	Music Accessory Guitar Amp
97	Music Accessory Guitar Cord
625	Music Accessory Guitar Pedal
96	Music Accessory Guitar Stand
101	Music Accessory Headphones
98	Music Accessory Hi-Hat
99	Music Accessory Hi-Hat Stand
100	Music Accessory Horn
103	Music Accessory Microphone
104	Music Accessory Mike Stand
102	Music Accessory Mixer/Amp
105	Music Accessory Music Stand
107	Music Accessory Pickup
108	Music Accessory Snare Stand
109	Music Accessory Speaker Cabinet
111	Music Accessory String
110	Music Accessory String Set
112	Music Accessory Tailpiece Hanger
113	Music Accessory Tuner
335	Music Media --- Other ---
143	Music Media 45 RPM Record
144	Music Media Cassette Tape
145	Music Media Compact Disc
146	Music Media LP Album
147	Music Media Sheet Music
316	Musical Instrument --- Other ---
120	Musical Instrument Accordion
628	Musical Instrument Bagpipes
121	Musical Instrument Banjo
122	Musical Instrument Bongo
123	Musical Instrument Clarinet
124	Musical Instrument Coronet
126	Musical Instrument Drum Machine

Upload Specifications

125	Musical Instrument Drums
127	Musical Instrument Flute
128	Musical Instrument Guitar
656	Musical Instrument Guitar - Acoustic
655	Musical Instrument Guitar - Electric
457	Musical Instrument Guitar Amp
627	Musical Instrument Guitar-Bass
136	Musical Instrument Guitar-Steel
129	Musical Instrument Harmonica
130	Musical Instrument Keyboard
131	Musical Instrument Mandolin
134	Musical Instrument Maracas
133	Musical Instrument Microphone
135	Musical Instrument Minituba
132	Musical Instrument Mouth Harp
427	Musical Instrument Saxophone
137	Musical Instrument Tambourine
138	Musical Instrument Trombone
139	Musical Instrument Trumpet
140	Musical Instrument Tuba
141	Musical Instrument Ukulele
142	Musical Instrument Violin, Bow & Case
328	Office / Computer Equipment --- Other ---
148	Office / Computer Equipment Calculator
149	Office / Computer Equipment Computer
541	Office / Computer Equipment Computer Accessories
516	Office / Computer Equipment Computer Software
630	Office / Computer Equipment CPU
150	Office / Computer Equipment Electronic Organizer
376	Office / Computer Equipment Fax Machine
466	Office / Computer Equipment Hard Drive
374	Office / Computer Equipment Laptop Computer
151	Office / Computer Equipment Monitor
152	Office / Computer Equipment Photocopier
153	Office / Computer Equipment Printer
424	Office / Computer Equipment Scanner
154	Office / Computer Equipment Typewriter
375	Office / Computer Equipment Word Processor
338	Other --- Other ---
329	Personal Items --- Other ---
155	Personal Items Beadwork
156	Personal Items Belt
572	Personal Items Blanket
157	Personal Items Boots
158	Personal Items Buckle
159	Personal Items Chaps
164	Personal Items Coat - Fur
470	Personal Items Coat - Leather
160	Personal Items Combs
161	Personal Items Costume

Upload Specifications

162	Personal Items Curlers
163	Personal Items Dryer
573	Personal Items Duvet
166	Personal Items Handcuffs
165	Personal Items Hat
167	Personal Items Jacket
631	Personal Items Luggage
168	Personal Items Massager
169	Personal Items Mitts
170	Personal Items Muks
549	Personal Items Ornaments
171	Personal Items Pants
172	Personal Items Purse
173	Personal Items Razor
174	Personal Items Shaver
175	Personal Items Skirt
176	Personal Items Slippers
479	Personal Items Sunglasses
177	Personal Items Vest
178	Personal Items Whip
618	Riding Equipment --- Other ---
575	Riding Equipment Bridle
574	Riding Equipment Saddle
330	Sporting Goods --- Other ---
485	Sporting Goods Air Gun
644	Sporting Goods Backpack
179	Sporting Goods Ball
181	Sporting Goods Ball Glove
381	Sporting Goods Basketball
180	Sporting Goods Bat
639	Sporting Goods Blackpowder Firearm
473	Sporting Goods Bow - Arrows
471	Sporting Goods Bow - Compound
629	Sporting Goods Bow - Crossbow
472	Sporting Goods Bow - Recurve
530	Sporting Goods Camping Equipment
645	Sporting Goods CO2 Tank
183	Sporting Goods Dumbbell
531	Sporting Goods Exercise Equipment
647	Sporting Goods Fishing Rod & Reel
380	Sporting Goods Football
383	Sporting Goods Football Equipment
521	Sporting Goods Golf Cart
524	Sporting Goods Golf Clubs
186	Sporting Goods Helmet
187	Sporting Goods Hockey Equipment
382	Sporting Goods Ice Auger-Hand
188	Sporting Goods Ice Auger-Power
189	Sporting Goods Knife
384	Sporting Goods Knife

Upload Specifications

190	Sporting Goods Monocular
646	Sporting Goods Paintball Accessories
500	Sporting Goods Paintball Gun
192	Sporting Goods Pool Cue
191	Sporting Goods Pool Cue Case
482	Sporting Goods Propane Camp Stove
481	Sporting Goods Propane Lantern
193	Sporting Goods Punching Bag
194	Sporting Goods Racquet
195	Sporting Goods Rollerblades
182	Sporting Goods Rowing Machine
412	Sporting Goods Scope
604	Sporting Goods Skateboard
197	Sporting Goods Skates
200	Sporting Goods Ski Boots
196	Sporting Goods Skis
428	Sporting Goods Sleeping Bag
490	Sporting Goods Snowboard
198	Sporting Goods Sparing Gloves
199	Sporting Goods Spotting Scope
201	Sporting Goods Sword
202	Sporting Goods Tackle Box
532	Sporting Goods Tennis Rackets
377	Sporting Goods Tent
379	Sporting Goods Trampoline
378	Sporting Goods Treadmill
205	Sporting Goods Weight Belt
203	Sporting Goods Weight Bench
204	Sporting Goods Weights
533	Sporting Goods Winter Sports Equipment
331	Stereo/Audio/Radio --- Other ---
207	Stereo/Audio/Radio Amp
643	Stereo/Audio/Radio Antenna
210	Stereo/Audio/Radio Cassette Recorder
208	Stereo/Audio/Radio CD Player
209	Stereo/Audio/Radio Clock Radio
206	Stereo/Audio/Radio Clock/Cassette
216	Stereo/Audio/Radio Discman
211	Stereo/Audio/Radio Equalizer
212	Stereo/Audio/Radio Ghetto Blaster
213	Stereo/Audio/Radio Ghetto/CD Unit
489	Stereo/Audio/Radio Headphone
664	Stereo/Audio/Radio Ipod accessories
663	Stereo/Audio/Radio Ipod Player
214	Stereo/Audio/Radio Karaoke Machine
527	Stereo/Audio/Radio Loud Speakers
215	Stereo/Audio/Radio Microcassette Rec.
478	Stereo/Audio/Radio Mini Disc Player
622	Stereo/Audio/Radio MP3 Player
217	Stereo/Audio/Radio Pre-Amp

Upload Specifications

218	Stereo/Audio/Radio Radio
220	Stereo/Audio/Radio Receiver
219	Stereo/Audio/Radio Recorder
221	Stereo/Audio/Radio Scanner
222	Stereo/Audio/Radio Speaker
223	Stereo/Audio/Radio Stereo
522	Stereo/Audio/Radio Stereo - Mini
415	Stereo/Audio/Radio Stereo Component
467	Stereo/Audio/Radio Subwoofer
633	Stereo/Audio/Radio Surround Sound System
224	Stereo/Audio/Radio Tape Deck
226	Stereo/Audio/Radio Tuner
225	Stereo/Audio/Radio Turntable
227	Stereo/Audio/Radio Walkman
332	Telecommunications --- Other ---
228	Telecommunications Answering Machine
233	Telecommunications Fax Machine
559	Telecommunications GPS Receiver
234	Telecommunications Headphones
229	Telecommunications Pager
235	Telecommunications Phone
231	Telecommunications Phone-Cellular
385	Telecommunications Phone-Cordless
548	Telecommunications Radio-2 Way
230	Telecommunications Radio-CB
232	Telecommunications Radio-Emergency
236	Telecommunications Scanners
237	Telecommunications Transceiver
333	Television/Video --- Other ---
453	Television/Video Accessories Converter
452	Television/Video Accessories -Other-
456	Television/Video Accessories Remote
520	Television/Video Accessories Tape Rewinder
296	Television/Video Converter
306	Television/Video DVD Disk
413	Television/Video DVD Player
634	Television/Video DVD Player - Portable
414	Television/Video Laser Disc Player
298	Television/Video LCD Projector
468	Television/Video Media DVD Disc
525	Television/Video Media Laser Disk
454	Television/Video Media -Other-
632	Television/Video Media UMD
455	Television/Video Media Video Tape
297	Television/Video Mini TV
299	Television/Video Remote Control
475	Television/Video Satellite Dish
302	Television/Video Television
301	Television/Video TV & Remote
300	Television/Video TV/VCR Unit

Upload Specifications

303	Television/Video VCR
305	Television/Video VCR & Remote
304	Television/Video Video Tape
318	Tools --- Other ---
238	Tools Battery Charger
240	Tools Belt Sander
241	Tools Bench Grinder
556	Tools Bit Set
239	Tools Bolt Cutter
242	Tools Buffer
419	Tools Converter
534	Tools Drill
557	Tools Drill Bits
523	Tools Drill-Cordless
248	Tools Drill-Hammer
15	Tools Drill-Hand
244	Tools Drill-Power
245	Tools Glue Gun
246	Tools Grinder
247	Tools Hammer
420	Tools Heater - Car
249	Tools Impact
250	Tools Jack - Car
252	Tools Jackall
640	Tools Metal Detector
253	Tools Moto-Tool
255	Tools Planer
256	Tools Polisher
257	Tools Ratchet
259	Tools Router
261	Tools Sander
535	Tools Saw
434	Tools Saw - Chain
243	Tools Saw - Circular
569	Tools Saw - Compound
251	Tools Saw - Jigsaw
254	Tools Saw - Mitre
260	Tools Saw - Radial Arm
258	Tools Saw - Reciprocating
262	Tools Saw - Scroll
474	Tools Saw - Table Saw
519	Tools Saw- Band
560	Tools Saw-Trim
267	Tools Sawzall
14	Tools Screw Drivers
263	Tools Screwdriver (Electric)
265	Tools Socket Set
264	Tools Solder Gun
266	Tools Stapler
268	Tools Tap & Die Set

Upload Specifications

269	Tools Tool Belt
271	Tools Tool Box
272	Tools Tool Misc.
270	Tools Tool Set
386	Tools Winch
13	Tools Wrenches
323	Tools-Industrial --- Other ---
273	Tools-Industrial Acetylene
463	Tools-Industrial Air - Chisel
477	Tools-Industrial Air - Hammer
462	Tools-Industrial Air - Impacts
460	Tools-Industrial Air - Nailer
461	Tools-Industrial Air - Ratchet
464	Tools-Industrial Air - Sander
465	Tools-Industrial Air - Sprayer
459	Tools-Industrial Air - Stapler
274	Tools-Industrial Air Compressor
275	Tools-Industrial Air Tank
276	Tools-Industrial Bazooka/For Taping
404	Tools-Industrial Bobcat
499	Tools-Industrial Carpet Iron
280	Tools-Industrial Carpet Kicker
281	Tools-Industrial Carpet Stretcher
558	Tools-Industrial Carpet Tacker
279	Tools-Industrial Chain Hoist
282	Tools-Industrial Drill Press
552	Tools-Industrial Drywall-Cutout Tool
544	Tools-Industrial Drywall-Stilts
553	Tools-Industrial Drywall-Tool
283	Tools-Industrial Edgebander
551	Tools-Industrial Fish Tape
284	Tools-Industrial Generator
483	Tools-Industrial Heat Gun
368	Tools-Industrial Hoist
285	Tools-Industrial Joiner
546	Tools-Industrial Lino Roller
554	Tools-Industrial Micrometer
555	Tools-Industrial Multimeter
286	Tools-Industrial Percussion Nailer
287	Tools-Industrial Pressure Washer
290	Tools-Industrial Pump-Sump
405	Tools-Industrial Pump-Water
571	Tools-Industrial Safety Gear
277	Tools-Industrial Saw - Bandsaw
278	Tools-Industrial Saw - Cement
367	Tools-Industrial Saw - Radial Arm
293	Tools-Industrial Saw - Table
545	Tools-Industrial Scale-Digital
547	Tools-Industrial Screw Gun
288	Tools-Industrial Shaper

Upload Specifications

289	Tools-Industrial Sprayer
486	Tools-Industrial Tile Cutter
291	Tools-Industrial Torch
476	Tools-Industrial Torque Wrench
292	Tools-Industrial Transit
294	Tools-Industrial Welder
570	Tools-Industrial Welding Helmet
295	Tools-Industrial Winch
619	Toys --- Other ---
621	Toys Doll
550	Toys Remote Control Vehicle
620	Toys Stuffed Animal
317	Vacuum --- Other ---
9	Vacuum Canister Vacuum
8	Vacuum Central Vacuum
11	Vacuum Handheld Vacuum
10	Vacuum Shop Vacuum
12	Vacuum Upright Vacuum
336	Vehicle --- Other ---
314	Vehicle Accessories --- Other ---
27	Vehicle Accessories 12 Volt Compressor
497	Vehicle Accessories Alarm System
29	Vehicle Accessories Battery Cables
1	Vehicle Accessories Battery Charger
484	Vehicle Accessories Battery Warmer
648	Vehicle Accessories Capacitor
28	Vehicle Accessories Car Amp
4	Vehicle Accessories Car CD Player
649	Vehicle Accessories Car DVD Player
6	Vehicle Accessories Car Speakers
429	Vehicle Accessories Car Subwoofer
5	Vehicle Accessories Car Tape Player
342	Vehicle Accessories Carburetor
496	Vehicle Accessories Command Start
495	Vehicle Accessories Compression Gauge
7	Vehicle Accessories Driving Lights
654	Vehicle Accessories Equalizer
340	Vehicle Accessories Jack - Hydraulic
653	Vehicle Accessories Monitor
651	Vehicle Accessories Power Inverter
2	Vehicle Accessories Radar Detector
341	Vehicle Accessories Rims
652	Vehicle Accessories Speaker Box (Empty)
650	Vehicle Accessories Speaker Wire
30	Vehicle Accessories Timing Light
3	Vehicle Accessories Tires
307	Vehicle All Terrain Vehicle
392	Vehicle Boat
308	Vehicle Car
393	Vehicle Go Cart

Upload Specifications

309	Vehicle Jet Ski
310	Vehicle Motorcycle
311	Vehicle Snowmobile
387	Vehicle Sport Utility Vehicle
388	Vehicle Station Wagon
394	Vehicle Tractor-Semi
391	Vehicle Trailer-Boat
390	Vehicle Trailer-Utility
312	Vehicle Truck
389	Vehicle Van

Appendix B

IDIssuerID	IDIssuer
1	Alabama
2	Alaska
3	Alberta
4	American Samoa
5	Arizona
6	Arkansas
7	British Columbia
8	California
9	Colorado
10	Connecticut
11	Delaware
12	District of Columbia
13	Florida
14	Georgia
15	Guam
16	Hawaii
17	Idaho
18	Illinois
19	Indiana
20	Iowa
21	Kansas
22	Kentucky
23	Louisiana
24	Maine
25	Manitoba
26	Marshall Islands
27	Maryland
28	Massachusetts
29	Michigan
30	Minnesota
31	Mississippi
32	Missouri
33	Montana
34	Nebraska
35	Nevada
36	New Brunswick
37	New Hampshire
38	New Jersey
39	New Mexico
40	New York
41	Newfoundland and Labrador
42	North Carolina
43	North Dakota
44	Northern Mariana Islands
45	Northwest Territories
46	Nova Scotia
47	Ohio

Upload Specifications

48	Oklahoma
49	Ontario
50	Oregon
51	Pennsylvania
52	Prince Edward Island
53	Puerto Rico
54	Quebec
55	Rhode Island
56	Saskatchewan
57	South Carolina
58	South Dakota
59	Tennessee
60	Texas
61	Utah
62	Vermont
63	Virgin Islands
64	Virginia
65	Washington
66	West Virginia
67	Wisconsin
68	Wyoming
69	Yukon Territory
70	Baker Island
72	Caroline Islands
74	Canal Zone
77	Jarvis Island
78	Johnston Atoll
80	Mariana Islands
81	Midway Islands
83	Palmyra Atoll
84	Wake Island
85	Howland Island
88	Kingman Reef
91	Navassa Island
94	Canada
95	Mexico
96	USA
97	Visa
98	MasterCard
99	Discover
100	American Express
101	Nunavut
103	Block Buster
107	Army
108	Rogers Video
109	-- Unknown --
110	Great Britain
111	Other
112	International
113	Japan

Upload Specifications

114	France
115	Germany
116	Australia
117	Mexico
118	South Korea
119	Hong Kong
120	Taiwan
121	Netherlands
122	Switzerland
123	Mainland China
124	India
125	Italy
126	Jamaica
127	Phillippines
128	Trinidad & Tobago
129	Vietnam
130	Nigeria
131	Pakistan
132	TD
133	Royal Bank
134	Credit Union