

# Fashion Catalog

COMP 436 DEV

Group D

Dec.6.2017

Dr. Nick Hayward  
Jess Conway  
Ting Liu  
Yang Li  
Waleed Alduraywish

# Fashion Catalog



Our project is a fashion catalog that allows a user to search for images and outfits based on a set of elements (i.e. brand, type, color, size, gender...), with results appearing in real-time.

# Schema & xml

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="Catalog">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="item" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="name" type="xs:string"/>
              <xs:element name="photo" maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="img">
                      <xs:complexType>
                        <xs:attribute name="width" type="xs:short" use="optional"/>
                        <xs:attribute name="height" type="xs:short" use="optional"/>
                        <xs:attribute name="src" type="xs:anyURI" use="required"/>
                      </xs:complexType>
                    </xs:element>
                  </xs:sequence>
                  <xs:attribute name="position" type="xs:string" use="optional"/>
                </xs:complexType>
              </xs:element>
              <xs:element name="type" type="xs:string"/>
              <xs:element name="colors">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="color" maxOccurs="unbounded">
                      <xs:complexType>
                        <xs:simpleContent>
                          <xs:extension base="xs:string">
                            <xs:attribute name="type" type="xs:string" use="required"/>
                          </xs:extension>
                        </xs:simpleContent>
                      </xs:complexType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="sizes" type="xs:string"/>
              <xs:element name="brand" type="xs:string"/>
              <xs:element name="price" type="xs:decimal"/>
              <xs:element name="sku" type="xs:string"/>
              <xs:element name="gender" type="xs:string"/>
              <xs:element name="pattern" type="xs:string"/>
              <xs:element name="occasion" type="xs:string"/>
              <xs:element name="materials">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="material" type="xs:string" maxOccurs="unbounded"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="season" type="xs:string"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```



```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="default.xsl"?>
<catalog xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="catalog.xsd">
  <item id="001" category="Clothing">
    <name>Easy-Iron Slim-Fit Shirt</name>
    <photo></photo>
    <type>Shirt</type>
    <colors>
      <color type="primary">White</color>
    </colors>
    <sizes>
      XS-XXL
    </sizes>
    <brand>Burton</brand>
    <price>14.99</price>
    <sku>53-5964</sku>
    <gender>Men</gender>
    <pattern>Solid</pattern>
    <occasion>Formal</occasion>
    <materials>
      <material>
        Polyester
      </material>
      <material>
        Cotton
      </material>
    </materials>
    <season> All-Season</season>
  </item>

  <item id="002" category="Clothing">
    <name>AEO Extreme Flex Classic Flat Front Short</name>
    <photo></photo>
    <type>Short</type>
    <colors>
      <color type="primary">Red</color>
    </colors>
    <sizes>
      26-48
    </sizes>
    <brand>American Eagle</brand>
    <price>29.99</price>
    <sku>4133-6374-685</sku>
    <gender>Men</gender>
    <pattern>Solid</pattern>
    <occasion>Casual</occasion>
    <materials>
      <material>
        Cotton
      </material>
      <material>
        Other
      </material>
    </materials>
    <season>Spring, Summer</season>
  </item>
```

# Schema & xml

Validated!

<https://www.freeformatter.com/xml-validator-xsd.html>

## XML Validator - XSD (XML Schema)

Validates the XML string/file against the specified XSD string/file. XSD files are "XML Schemas" that describe the structure of a XML document. The validator checks for well formedness first, meaning that your XML file must be parsable using a DOM/SAX parser, and only then does it validate your XML against the XML Schema. The validator will report fatal errors, non-fatal errors and warnings.

If the XSD is publicly available using HTTP and referenced through a "schemaLocation" or "noNamespaceSchemaLocation", then the validator will pick it up and it doesn't need to be specified/uploaded.

\*The maximum size limit for file upload is 2 megabytes.

The XML document is valid.

Close

### XML Input

Option 1: Copy-paste your XML document here

Option 2: Or upload your XML document

No file chosen

UTF-8

### XSD Input (Optional if XSD referred in XML using schemaLocation)

Option 1: Copy-paste your XSD document here

Option 2: Or upload your XSD document

No file chosen

UTF-8

# XSL & Xpath

- **For-each**

```
<xsl:for-each select="catalog/item">
```

- **Select node**

```
<xsl:value-of select="."/>
```

- **Select attribute**

```
<xsl:value-of select="photo/img/@src"/>
```

- **Sorting in dec or asc order**

```
<xsl:sort select="name" data-type="text"
order="ascending"/>
```

- **Count**

```
<xsl:value-of
select="count(catalog/item[gender='Men'])"/>
```

- **param**

```
<xsl:param name="message" />
```

- **If, Contains**

```
<xsl:if test="contains(., $message)">
```

# Changes from DEV Week

- Implemented a uniform XML Schema instead of DTD
- Improved the graphical design and UI functionality
  - Revamped interface
  - Search/Sort/Filter capability
- Switched to a range format for sizes
- Added a zoom feature images
- Expanded the database for more items
- Added a <season> tag

# EACH ITEM:











```
<item id="045" category="Clothing">
  <name>Lace Midi Dress</name>
  <photo>
</photo>
<type>Dress</type>
<colors>
  <color type="primary">Pink</color>
</colors>
<sizes>
  XS-XL
</sizes>
<brand>ASTR THE LABEL</brand>
<price>89.00</price>
<sku>5495143</sku>
<gender>Women</gender>
<pattern>Other</pattern>
<occasion>Casual</occasion>
<materials>
  <material>Polyester</material>
</materials>
  <season>Summer</season>
</item>
```

## LACE MINI DRESS



# DEV week

C:\Users\developer\Downlo... x

| Photo   | Item Name                                      | Clothing Type | Color                    | Sizes   | Brand           | Price(\$) | Product Number | Gender | Pattern     | Occasion       | Material               |
|---|--|---------------|--------------------------|---|-----------------|-----------|----------------|--------|-------------|----------------|------------------------|
|    | Easy-Iron Slim-Fit Shirt                       | Shirt         | White                    | XS-XXL  | Burton          | 14.99     | 53-5964        | Men    | Solid       | Formal         | Polyester, Cotton      |
|    | AEO Extreme Flex Classic Flat Front Short      | Short         | Red                      | 26-48   | American Eagle  | 29.99     | 4133-6374-685  | Men    | Solid       | Casual         | Cotton, Spandex        |
|    | Converse Chuck Taylor All Star Slip Low Top    | Comfort       | Gray/White               | M3/W5,M3/W5.5,M4/W6, M6/W8,M8.5/W10.5,M10/W12 | Converse        | 44.97     | 1X841-077      | Unisex | Solid       | Casual         | Cotton, Rubber         |
|    | Afterparty Men's Crew Sock                     | Socks         | Purple/Black             | One Size                                      | Pair of Thieves | 10.00     | Afterparty     | Men    | Stripe      | Casual         | Cotton                 |
|    | AEO Plaid Oxford Shirt                         | Shirt         | White/Blue               | XS-XXL  | American Eagle  | 29.96     | 0153-9873-100  | Men    | Plaid       | Casual         | Cotton                 |
|    | Long-Sleeve Tie-Neck Top                       | Blouse        | Soft Pink                | XS-XL   | Banana Republic | 59.00     | #797639        | Women  | Solid       | Formal, Casual | Polyester              |
|    | Herringbone Bow-Neck Jacket                    | JACKETS       | Black&white              | 0-16  | Banana Republic | 117.99    | #874213        | Women  | Herringbone | Formal         | Wool, Polyester, Other |
|    | DONEGAL TWEED OPEN-FRONT COAT                  | Coat          | BROWN                    | 0-12  | Ralph Lauren    | 798.00    | 137173826      | Women  | TWEED       | Formal, Casual | Wool, Leather          |
|    | KEYHOLE FIT-AND-FLARE DRESS                    | Dress         | STERLING GREY HEATHER    | 2-16  | Ralph Lauren    | 135.00    | 136116906      | Women  | Solid       | Formal         | Polyester, Elastane    |
|  | Slim trouser with ruffle waist in wool flannel | Pants         | light grey<br>light blue | 0-16  | J. crew         | 128.00    | G8589          | Women  | Solid       | Formal         | Wool, Poly, Elastane   |



# Fashion Catalog

Search Millions of Fashion Products

Count item # or  
searching result

Products in grid: 100

Search

Sort By:

Default

Filter By:





Gender

- ☐ Men
- ☐ Women
- ☐ Unisex

Clothing Type:

- ☐ Shirts
- ☐ Dresses/Skirts
- ☐ Pants
- ☐ Shorts
- ☐ Shoes
- ☐ Socks
- ☐ Underwear
- ☐ Outerwear
- ☐ Bags
- ☐ Accessories

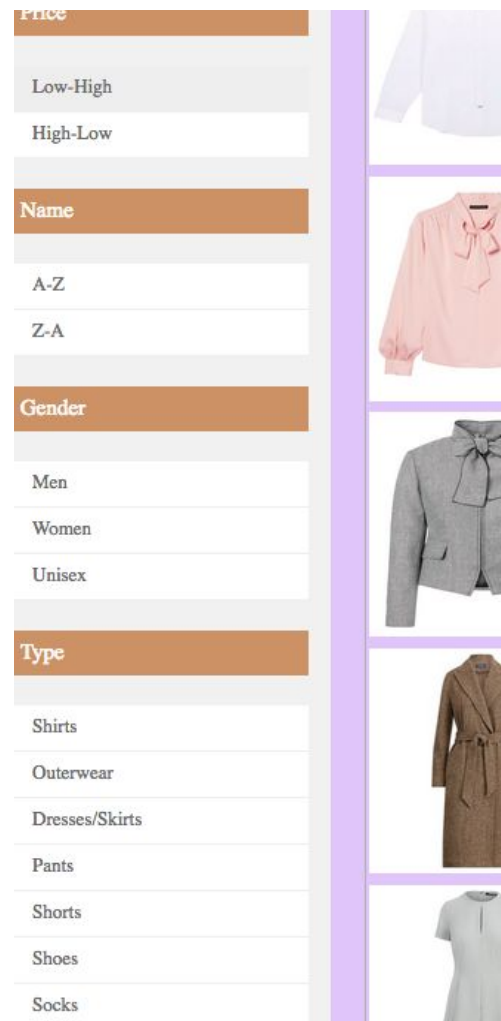
Color

| Photo  | Item Name                                   | Clothing Type | Color      | Sizes  | Brand          | Price(\$) | Product Number | Gender | Pattern | Occasion | Season               | Material         |
|--|---|---------------|------------|--|----------------|-----------|----------------|--------|---------|----------|----------------------|------------------|
|   | Easy-Iron Slim-Fit Shirt                    | Shirt         | White      | XS-XXL                                       | Burton         | 14.99     | 53-5964        | Men    | Solid   | Formal   | All-Season           | Polyester Cotton |
|   | AEO Extreme Flex Classic Flat Front Short   | Short         | Red        | 26-48  | American Eagle | 29.99     | 4133-6374-685  | Men    | Solid   | Casual   | Spring, Summer       | Cotton Other     |
|   | Converse Chuck Taylor All Star Slip Low Top | Shoes         | Gray White | M3/W5,M3/W5.5,M4/W6,M6/W8,M8.5/W10.5,M10/W12 | Converse       | 44.97     | 1X841-077      | Unisex | Solid   | Casual   | Spring, Summer, Fall | Cotton Other     |
|  | Aftermarket                                 |               |            |  |                |           |                |        |         |          |                      |                  |

Add Zoom in Feature

# Future Development

- Xinclude
- Even more product
- Nice looking navigator tab
- Database integration



# Demo



**Our Github**

<https://github.com/ConwayJ18/comp436projectGroupD.git>

**Thank You !**