

Ryan Dreher

Homework 4 | Comp 20

XML URL: <https://ryguy125.github.io/XML-Practice/>

February 12, 2020

XML: Band_data.xml

```
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/css" href="band_styles.css"?>

<band xmlns="http://www.w3schools.com/"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.w3schools.com/ band_data.xsd">
  <name>Sunday Morning</name>
  <genre>Cover Band/Rock</genre>
  <set>
    <song>
      <title>"Sunday Morning"</title>
      <length>2:53</length>
      <album>Lou Reed Covers</album>
      <year>2016</year>
    </song>
    <song>
      <title>"So What"</title>
      <length>9:22</length>
      <album>Unforgettable Jazz</album>
      <year>2015</year>
    </song>
    <song>
      <title>"Shakedown Street"</title>
      <length>4:59</length>
      <album>Old but Gold</album>
      <year>2019</year>
    </song>
    <song>
      <title>"Fire on the Mountain"</title>
      <length>3:46</length>
      <album>Old but Gold</album>
      <year>2019</year>
    </song>
    <song>
      <title>"Forever"</title>
      <length>5:58</length>
      <album>Songs for your Bar/Bat Mitzvah</album>
      <year>2015</year>
    </song>
  </set>
</band>
```

XSD File: Band_data.xsd

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```
<?xml version="1.0">
<xs:schema targetNamespace="http://www.w3schools.com/"
            elementFormDefault="qualified"
            xmlns="http://www.w3schools.com/ band_data.xsd"
            xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <xs:element name="set" type="song"/>

  <xs:complexType name="song">
    <xs:sequence>
      <xs:element name="title" type="xs:string"/>
      <xs:element name="length" type="xs:string"/>
      <xs:element name="album" type="xs:string"/>
      <xs:element name="year" type="xs:integer"/>
    </xs:sequence>
  </xs:complexType>

  <xs:complexType name="band" >
    <xs:complexContent>
      <xs:extension base="set">
        <xs:sequence>
          <xs:element name="name" type="xs:string"/>
          <xs:element name="genre" type="xs:string"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>

</xs:schema>
```

CSS: Band_Styles.css

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(1.)

```
band {
    color: black;
    background-color: lightblue;
    width: 600px;
    border: 15px;
    padding: 50px;
    margin: 20px;
}
set {
    display: block;
    border: 15px solid silver;
    margin: 20px;
    padding: 50px;
    background-color: whitesmoke;
}
song {
    display: block;
    border: 15px;
    padding: 30px;
    font-weight: bolder;
    text-align: center;
    font-size: 20px;
    background-color: green;
    color: white;
}
```

(2.)

```
name {
    font-size: 60px;
}
genre {
    display: inline-block;
    border: 15px;
    font-size: 40px;
}
band, title, album, year {
    display: block;
}

length {
    display: inline-flex;
}
title {
    font-size: 25px;
    font-weight: bold;
}
```