

XML Code

```
<?xml version="1.0" encoding="UTF-8" ?>
<?xml-stylesheet type="text/css" href = "style.css" ?>
<Songs>
  <header>My Song List</header>
  <song id="odd">
    <title>Bad Blood</title>
    <artists>
      <artist>Taylor Swift</artist>
      <artist>Kendrick Lamar</artist>
    </artists>
    <genres>
      <genre>Pop</genre>
      <genre>Hip Hop</genre>
    </genres>
    <year>2015</year>
  </song>

  <song id="even">
    <title>Despacito</title>
    <artists>
      <artist>Justin Bieber</artist>
      <artist>Daddy Yankee</artist>
      <artist>Luis Fonsi</artist>
    </artists>
    <genres>
      <genre>Pop</genre>
      <genre>Latin pop</genre>
      <genre>Reggaeton</genre>
    </genres>
    <year>2017</year>
  </song>

  <song id="odd">
    <title>Take What You Want</title>
    <artists>
      <artist>Post Malone</artist>
      <artist>Ozzy Osbourne</artist>
      <artist>Travis Scott</artist>
    </artists>
```

```
<genres>
  <genre>Hip hop</genre>
  <genre>Trap</genre>
  <genre>Rock</genre>
</genres>
<year>2019</year>
</song>
```

```
<song id="even">
  <title>Summer Bummer</title>
  <artists>
    <artist>Lana Del Ray</artist>
    <artist>A$AP Rocky</artist>
    <artist>Playboi Carti</artist>
  </artists>
  <genres>
    <genre>Indie Pop</genre>
    <genre>Trap</genre>
    <genre>Hip hop</genre>
  </genres>
  <year>2017</year>
</song>
```

```
<song id="odd">
  <title>Ice Cream</title>
  <artists>
    <artist>Selena Gomez</artist>
    <artist>Blackpink</artist>
  </artists>
  <genres>
    <genre>Electropop</genre>
    <genre>K-pop</genre>
  </genres>
  <year>2020</year>
</song>
```

```
<song id="even">
  <title>I Think I'm OKAY</title>
  <artists>
    <artist>Machine Gun Kelly</artist>
```

```
    <artist>YUNGBLUD</artist>
    <artist>Travis Barker</artist>
  </artists>
  <genres>
    <genre>Pop</genre>
    <genre>Hip Hop</genre>
    <genre>Pop Punk</genre>
  </genres>
  <year>2019</year>
</song>
```

```
<song id="odd">
  <title>I Like It</title>
  <artists>
    <artist>J Balvin</artist>
    <artist>Bad Bunny</artist>
    <artist>Cardi B</artist>
  </artists>
  <genres>
    <genre>Latin</genre>
    <genre>Trap</genre>
    <genre>Hip Hop</genre>
  </genres>
  <year>2018</year>
</song>
```

```
<song id="even">
  <title>IDOL</title>
  <artists>
    <artist>Nicki Minaj</artist>
    <artist>BTS</artist>
  </artists>
  <genres>
    <genre>K-Pop</genre>
    <genre>Hip Hop</genre>
  </genres>
  <year>2018</year>
</song>
```

```
<song id="odd">
```

```
<title>Let Me Go</title>
<artists>
  <artist>Hailee Steinfeld</artist>
  <artist>Florida Georgia Line</artist>
  <artist>Alesso</artist>
  <artist>WATT</artist>
</artists>
<genres>
  <genre>Country</genre>
  <genre>Pop</genre>
  <genre>EDM</genre>
</genres>
<year>2017</year>
</song>

<song id="even">
  <title>Kiss and Make Up</title>
  <artists>
    <artist>Dua Lipa</artist>
    <artist>Blackpink</artist>
  </artists>
  <genres>
    <genre>Pop</genre>
    <genre>K-Pop</genre>
  </genres>
  <year>2017</year>
</song>
</Songs>
```

CSS Code

```
header {  
    display: block;  
    font-size: xxx-large;  
    padding: 50px;  
    text-align: center;  
    font-family: "Comic Sans MS";  
}
```

```
Songs {  
    background-color: #fff8dd;  
}
```

```
song {  
    display: block;  
    padding: 20px;  
    padding-left: 35px;  
    border-radius: 40px;  
    margin: 20px;  
    margin-left: 20%;  
    margin-right: 20%;  
    font-family: Palatino, sans-serif;  
}
```

```
title {  
    font-size: xx-large;  
    font-family: Optima, sans-serif;  
    font-weight: bold;  
  
}
```

```
/*title:before {*/  
/*    content: "Title:";*/  
/*    padding-right: 3px;*/  
/*    font-weight: normal;*/  
/*}*/
```

```
artists {  
    display: block;  
    font-size: x-large;
```

```
    font-weight: bold;
}
```

```
/*artists:before {*/
/*  content: "Artists:";*/
/*  padding-right: 3px;*/
/*  font-weight: normal;*/
/*}*/
```

```
artist:after {
    content: ",";
    padding-right: 3px;
}
```

```
artist:last-of-type:after {
    content: "";
}
```

```
genres, year{
    display: block;
    font-weight: bold;
    font-size: x-large;
}
```

```
/*genres:before{*/
/*  content: "Genres:";*/
/*  padding-right: 3px;*/
/*  font-weight: normal;*/
/*}*/
```

```
genre:after {
    content: ",";
    padding-right: 3px;
}
```

```
genre:last-of-type:after {
    content: "";
}
```

```
/*year:before {*/  
/*  content: "Year released:";*/  
/*  font-weight: normal;*/  
/*  padding-right: 5px;*/  
/*}*/
```

```
#odd {  
  background-color: #a0d2eb ;  
}
```

```
#even {  
  background-color: #8d99a0;  
}
```

URL

<https://kerwint.sgedu.site/cs20/Assignment3/songList.xml>

Questions

- 1) XML is a great way of representing data. Thus, it's important that we make use of XML to store or transfer data from one place to another. An example where XML can be used is when a cafe wants to maintain a database of all its menu items, including their names, descriptions, and prices. The cafe could use XML to structure this information in a way that is organized and easily readable by both humans and machines. With an XML file, the cafe can easily add, modify, or remove menu items, and the structure of the file will remain consistent and easy to understand. They can also use the software to read the XML file and display the menu information in a variety of ways such as on a website or in a printed menu. This makes it easier for the cafe to manage its menu information and share it with customers.
- 2) Yes, I do. Because the tags are easily readable and anyone can write an XML with just a brief tutorial. It is very logical and understandable, making it a simple way of representing organized data.