

URL: <https://miraj.sgedu.site/Assignment3/songs.xml>

Questions:

1. Discuss a case study for using XML

If we made a site where users could log in and save their notes, we could use XML to store the data. We would have a parent element for each user, and each would have child elements for each of their notes. The notes themselves could have children for their title, content, and other details. Each user could also have child elements for things like their username/password and their preferences. This would be helpful because we would have to transfer all of the users information over the web whenever they ask for it, so an XML file would make this transfer easy.

2. Do you like XML as a means of representing data. Why or why not?

I like using XML because it is very flexible and lets you store data structured in many different ways.

XML code:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href = "stylexml.css" ?>
<songs>
  <song>
    <title>Umbrella</title>
    <artists>
      <artist>Rihanna</artist>
      <artist>Jay-Z</artist>
    </artists>
    <genres>
      <genre>Pop</genre>
      <genre>Hip-Hop</genre>
    </genres>
    <year>2007</year>
  </song>
  <song>
    <title>Attention</title>
    <artists>
      <artist>Charlie Puth</artist>
    </artists>
    <genres>
      <genre>Pop</genre>
    </genres>
    <year>2017</year>
  </song>
</songs>
```

```
</song>
<song>
  <title>One Call Away</title>
  <artists>
    <artist>Charlie Puth</artist>
  </artists>
  <genres>
    <genre>Pop</genre>
  </genres>
  <year>2015</year>
</song>
<song>
  <title>Uptown Funk</title>
  <artists>
    <artist>Bruno Mars</artist>
    <artist>Mark Ronson</artist>
  </artists>
  <genres>
    <genre>Pop</genre>
  </genres>
  <year>2014</year>
</song>
<song>
  <title>Symphony</title>
  <artists>
    <artist>Clean Bandit</artist>
    <artist>Zara Larsson</artist>
  </artists>
  <genres>
    <genre>Pop</genre>
  </genres>
  <year>2017</year>
</song>
<song>
  <title>Hey, Soul Sister</title>
  <artists>
    <artist>Train</artist>
  </artists>
  <genres>
```

```
        <genre>Pop</genre>
    </genres>
    <year>2009</year>
</song>
<song>
    <title>Bohemian Rhapsody</title>
    <artists>
        <artist>Queen</artist>
    </artists>
    <genres>
        <genre>Rock</genre>
    </genres>
    <year>1975</year>
</song>
<song>
    <title>Hips Don't Lie</title>
    <artists>
        <artist>Shakira</artist>
        <artist>Wyclef Jean</artist>
    </artists>
    <genres>
        <genre>Latin</genre>
        <genre>Pop</genre>
    </genres>
    <year>2006</year>
</song>
<song>
    <title>Defying Gravity</title>
    <artists>
        <artist>Kristin Chenoweth</artist>
        <artist>Idina Menzel</artist>
    </artists>
    <genres>
        <genre>Broadway</genre>
    </genres>
    <year>2003</year>
</song>
<song>
    <title>Chammak Challo</title>
```

```

    <artists>
      <artist>Akon</artist>
      <artist>Hamsika Ayer</artist>
    </artists>
    <genres>
      <genre>Bollywood</genre>
    </genres>
    <year>2011</year>
  </song>
  <song>
    <title>HIP</title>
    <artists>
      <artist>MAMAMOO</artist>
    </artists>
    <genres>
      <genre>K-pop</genre>
    </genres>
    <year>2019</year>
  </song>
</songs>

```

CSS code:

```

@charset "UTF-8";
song {display: block; border-bottom: 1px solid rgb(12, 95, 97); font-family:
Arial, Helvetica, sans-serif; padding-left: 1em}
title {display: block; font-weight: bold; font-size: 1.2em; margin-bottom: auto;
font-weight:900; text-decoration: underline}

artists, artist, genres, genre, year {display: block; margin-left: 1em}

artists:before {content: "Artists: "; text-transform:uppercase; font-weight:
bold}
genres:before {content: "Genres: "; text-transform:uppercase; font-weight: bold}
year::before {content: "YEAR: "; font-weight: bold}

artist:before, genre:before {content: '- '}

```