

Design Document

URL of XML: <https://agavhe01.github.io/songList.xml>

Questions:

XML can be used to represent the back end of datasets before they are rendered through the front end components. Information is easily updated on the file because all it takes is editing the xml rather than if the data was hard coded into the website through html tags instead.

Advantages of XML (Why I Like XML) :

- a. Readability -> easier for humans and computers both to read and process the data within
- b. Compatibility -> several different languages e.g HTML, Java, React are all compatible with XML files

Code:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="css/rules.css"?>
<!DOCTYPE songsList>

<SongsList>
  <heading>Welcome to Anesu's SongsList</heading>

  <song>
    <id>1</id>
    <name>Fingers Blue</name>
    <artist>Travis Scott</artist>
    <genre>Rap</genre>
    <releaseYear>2017</releaseYear>
  </song>

  <song>
    <id>2</id>
    <name>Send My Love</name>
    <artist>Adele</artist>
    <genre>Pop</genre>
    <releaseYear>2015</releaseYear>
  </song>

  <song>
    <id>3</id>
    <name>Right Now</name>
```

```
<artist>Akon</artist>
<genre>RnB</genre>
<releaseYear>2008</releaseYear>
</song>

<song>
  <id>4</id>
  <name>Beautiful</name>
  <artist>Akon</artist>
  <genre>RnB</genre>
  <releaseYear>2008</releaseYear>
</song>

<song>
  <id>5</id>
  <name>Sunny Day</name>
  <artist>Akon</artist>
  <genre>RnB</genre>
  <releaseYear>2008</releaseYear>
</song>

<song>
  <id>6</id>
  <name>Love Me Harder</name>
  <artist>Ariana Grande</artist>
  <genre>Pop</genre>
  <releaseYear>2014</releaseYear>
</song>

<song>
  <id>7</id>
  <name>Problem</name>
  <artist>Ariana Grande</artist>
  <genre>Pop</genre>
  <releaseYear>2014</releaseYear>
</song>

<song>
  <id>8</id>
  <name>Something Different</name>
  <artist>Adekunle Gold</artist>
  <genre>Afro</genre>
  <releaseYear>2020</releaseYear>
</song>
```

```

    <song>
      <id>9</id>
      <name>Pretty Girl</name>
      <artist>Adekunle Gold</artist>
      <genre>Afro</genre>
      <releaseYear>2020</releaseYear>
    </song>

    <song>
      <id>10</id>
      <name>Okay</name>
      <artist>Adekunle Gold</artist>
      <genre>Afro</genre>
      <releaseYear>2020</releaseYear>
    </song>

    <song>
      <id>11</id>
      <name>Deadcrush</name>
      <artist>Alt-J</artist>
      <genre>Alternative</genre>
      <releaseYear>2017</releaseYear>
    </song>
  </SongsList>

```

CSS

```

books {
  color: white;
  background-color : gray;
  width: 100%;
}
heading {
  color: rgb(167, 193, 167);
  font-size : 40px;
  background-color : rgb(196, 96, 3);
}
heading, id, name, artist, genre, releaseYear {
  display : block;
}
name {
  font-size : 25px;
}

```

```
    font-weight : bold;
}

id{
    font-size: 30px;
    color: #e46c2c;
}
```