

# Testing

## **artistAlbumTags.js**

- The functional testing was done manually.
- Equivalence classes:
  - gets list of songs in updated library passed in, returns a list of artist name and album name tag objects from that list of songs

## **The backend server:**

- The functional testing was done manually.
- Equivalence classes:
  - listens for an http request to get all songs for a certain user, and returns the appropriate object containing that user's song information.
  - listens for an http request to put a song for a user, and inserts this song into the database.

## **ParseExpression:**

- The functional testing was done manually.
- Equivalence classes:
  - Write expression with each Boolean operators tags

## **Player.jsx:**

- The functional testing was done manually.
- Equivalence classes:
  - when play button is clicked on, current playing song stops playing
  - when pause button is clicked on, current paused song resumes playing
  - when previous button is clicked on, song before current song becomes current song
  - when next button is clicked on, song after current song becomes current song

## **Progress Bar:**

- The functional testing was done manually.
- Equivalence classes:
  - When paused progress bar stops moving, when resumed it continues progressing.
  - Clicking on progress bar skips to that part of the song.

#### **Search:**

- The functional testing was done manually.
- Equivalence classes:
  - Enter an input into the search bar, this results in showing either songs in your library and Spotify, songs only in Spotify, or showing no results in either.

#### **SortModal:**

- The functional testing was done manually.
- Equivalence classes:
  - User makes selections on the modal and clicks sort, and the library order should change according to the selections.

#### **SortSongs.js:**

- The functional testing was done manually.
- Equivalence classes:
  - Sorts a list of songs in a user's library by attributes (album name, artist name, etc.)
  - Sorts by the primary attribute first and if the comparison is equal, then proceeds to sort by the secondary attribute

#### **VolumeControl.jsx:**

- The functional testing was done manually.
- Equivalence classes:
  - when down volume button gets clicked on, displayed volume goes down by 5.

- when up volume button gets clicked on, displayed volume goes up by 5