Feature 1: User Authentication
- Login:
    - User logs in successfully and gets redirected to home page
    - Can't find username/password, sends error message saying "Incorrect username/password"
    - Easy access to register page (link)
- Register:
    - Able to select universities supported (CU, CSU) from dropdown
    - User registers successfully and gets redirected to login page
    - Username already found in database, sends error message saying "User already registered"
    - Easy access to login page (link)
- The testing environment will be in staging. In this stage, we are focused on Quality Assurance.
- Testing data
    - Correct usernames & passwords
        - Should log in correctly
    - Incorrect usernames & passwords
        - Should display incorrect username and/or incorrect password
    - Just a username, no password
        - Should prompt a password
    - Just a password, no username
        - Should prompt a username
- User acceptance testers
    - To test this feature, we will test ourselves, including all corner cases. We will have 2-3 peers in the class try to log in to see if they can find additional problems. We will give them our documentation of the user acceptance criteria and see if the peers have any ideas of criteria we are missing.

Feature 2: Presentation of data (Home, Top Genres, Top Artists, Top Albums, index.js)
- Specific Test cases:
    - 1. All universities chosen in dropdown in registration should display data
    - 2. Clicking on tabs in header / on home page
        - Sidebar, nav bar
- Test data
    - 1.
        - University of Colorado Boulder
        - Colorado State University
- The testing environment will be in staging. In this stage, we are focused on Quality Assurance.

- Test results
  - 1. University entered during registration is what should be shown on pages, if university is invalid then show message along the lines of university not found
  - 2. Navigation Bar: If clicked on the current page, should reload to the same page. Otherwise, take to the associated page
- User acceptance testers
  - Each member of the team will check the functionality of these pages.
  - We will have a new user test these pages for intuitive design.

Feature 3: Acquisition of data
- The user can search for songs and add the songs to their favorites, which will then store that song and appropriately store the data in our database. Based on the timeframe and the number of people that like certain songs, we will log the information necessary in the databases.
- Testing/Results:
  - **Test: If a user looks up a song that exists within the database (Yellow Submarine)**
    - Result: Results should be displayed to them in a proper fashion.
  - **Test: If a user looks up a song that does not exist (nonexistent song)**
    - Result: Prompt them with "does not exist message"
  - **Test: If a user looks up an artist that exists within the database (Taylor Swift)**
    - Result: Results should be displayed to them in a proper fashion.
  - **Test: If a user looks up an artist that does not exist (nonexistent album)**
    - Result: Prompt them with "does not exist message"
  - **Test: If a user looks up an album that exists within the database (Good Kid, m.A.A.d City)**
    - Result: Results should be displayed to them in a proper fashion.
  - **Test: If a user looks up an album that does not exist (Nonexistent album)**
    - Result: Prompt them with "does not exist message"
  - **Test: If a user likes/unlikes a song (clicking like button)**
    - Result: update the trend score and disable the like button for the song
  - **If there are multiple songs/albums/playlists/artists with the same name,**
    - It will display all the data, not just one
- The testing environment will be in staging. In this stage, we are focused on Quality Assurance.
- To test this feature, we will test ourselves, including all corner cases, as well as finding 2-3 peers in the class to run through our application and test all functionality to see if they can find problems. We will give them our documentation of the user acceptance criteria and see if the peers have any ideas of criteria we are missing.