**USE CASES**

**System : Audio tracker Application**

**1: Name : Registration**

* Goal : Register User details
* Primary Actor : User
* Pre-condition : User register the app using email, username, and password.
* Post -Condition : After successful registration, navigate to login page.
* Scenario :
* User need to fill all the form data. User who didn’t fill any of these, then there will be a required message on top of the field.
* If someone register with a name which is already exist in the database, then it shows a message that the username already exists, and need to register with another username.

**2: Name : User login**

* Goal : User Login to app
* Primary Actor: User
* Pre-condition : User login to the app using username and password.
* Post -Condition : After successful login, navigate to user login page.
* Scenario:
* User who didn’t fill any login form data, then there will be a required message on top of the field.
* User who enter invalid username and password there will be an error message.

**3: Name : Admin login**

* Goal : User Login to app
* Primary Actor: Admin
* Pre-condition : Admin login to the app using username and password.
* Post -Condition : After successful login, navigate to admin login page.
* Scenario :
* Admin who didn’t fill any login form data, then there will be a required message on top of the field.
* Admin who enter invalid username and password there will be an error message.

**4: Name : Admin Adding Audios**

* Goal : Add Audios
* Primary Actor: Admin
* Pre-condition : Admin login to the app using username and password.
* Post -Condition : Admin can Add the audio details.
* Scenario :
* There will be a form for adding the audios , containing track id , title, artist, category, album and image of the audio and if admin did not fill any of the form fields , then there will be a required message on the top of the field. After submitting the form, it is redirected to the view list page.

**5: Name : Admin View Audios**

* Goal : View Audios
* Primary Actor: Admin
* Pre-condition : Admin login to the app using username and password.
* Post -Condition: Admin can View the audio details.
* Scenario :
* A table will display all the audio details , any changes like add/update/view will display on the list page.

**6: Name : Admin Delete Audios**

* Goal : Delete Audios
* Primary Actor: Admin
* Pre-condition : Admin login to the app using username and password
* Post -Condition: Admin can delete the audio details.
* Scenario :
* Admin can delete the audios by clicking the button.

**7: Name : Admin Update Audios**

* Goal : Update Audios
* Primary Actor: Admin
* Pre-condition : Admin login to the app using username and password
* Post -Condition: Admin can update the audio details.
* Scenario :
* There is a form for updating the details of audio that containing track title, artist, category and image and when submitting the form , it will displayed in the view list page

**8: Name : User View Audios**

* Goal : User View Audios
* Primary Actor: User
* Pre-condition : User login to the app using username and password.
* Post -Condition : User can view the audios as cards in user home page.
* Scenario :
* The audios are viewed to the user page as cards, each card contain track name and album name and average rating
* When user click on that card , it will redirected to a page that contain all the information about the card including the rating part.

**9: Name : User Search Audios**

* Goal : User search Audios
* Primary Actor: User
* Pre-condition : User login to the app using username and password.
* Post -Condition : User can search the audios, search by title/ search by category/ search by artist.
* Scenario :
* There will be a search bar to search the value , and there will be a dropdown list for selecting the search credentials and search button also.
* User can select any of the credentials and search any value and those searched item will be displayed in the page.

**10: Name : User – Add Rating for Audios**

* Goal : Add ratings to audios
* Primary Actor: User
* Pre-condition : User touch each card for audios in the home page and see the entire details of that song.
* Post -Condition : User can view the rating of each audios and can add their rating also
* Scenario :
* The average rating will be displayed as stars in the page and there will be another section for adding their rating too. When they add their rating as stars (total 5 stars will be there) there will be an alert showing a successful message.

**11: Name : Logout**

* Goal : Logout from application
* Primary Actor : Admin / user
* Pre-condition: Actor is still logged in the system
* Post -Condition : Actor logged out from the system
* Scenario :
* Actor logged out from the system and redirected to home page

**Project 13 – Audio Tracker**

**Level 1:**

1. The program will accept the Audio Details from the console

Each Audio will have these info {Title, Track ID, Category, Artist}

2. Admin can Add/View/Update/Delete the Audio details.

3. User can View/Search/Rate the audio

**Level 2:**

4. The above program should retain the console based implementation, but the data needs to be persisted and searched from a file

**Level 3:**

5. The above program should retain the console based implementation, but the data needs to be persisted and searched from a database RDBMS

In all the above cases, apart from code for development, logging, exception handling, unit testing, coverage and standards should be followed.