Project Test Case Document

Test Case 1: Running the program

Requirement: Program should run on command prompt and display options different options to user and should wait for user input.

User should be able to Login into the system, perform Anime Search or exit from the program.

Actual Behavior: After running the python code in the command prompt, the program is displaying options to Login, Search Anime or to exit from the system and waiting for the user input.

```
Administrator: Command Prompt - python3 AnimeMain.py
Press 1 to login
Press 2 to search anime
Press 0 to exit
Please select one option:
```

Test Case 2: Initial screen user input

Requirement: Registered users i.e. users with valid user id and password, should be able to login with their credentials and should be able to perform Anime search operations

Actual Behavior: On entering 1, user is able to login with their credentials and able to see varied Anime search/modify options

```
Administrator: Command Prompt - python3 AnimeMain.py
Please enter User ID:5
Please enter password:
```

Test Case 3: Non-registered users initial screen testing

Requirement: Non-registered users i.e. users without user id and password, should be able to perform a limited number of Anime search functionalities

Actual Behavior: On entering 2, user is able to see Anime search options (Search based on Name, Anime age rating, and released date)

Test Case 4: Anime search functionality testing for Non-registered user

Requirement: Users without valid user id and password, should be able to search Anime based on anime name

Actual Behavior: Non-registered users are able to see option to search based on Anime Name.

On entering 1, the program displays one option to give Anime as an input

After entering Anime Name, the system is able to fetch a list Anime with the matching input

```
Administrator: Command Prompt - python3  AnimeMain.py
Please type anime name to search: CowBoy Bebop
+---------------------------------+-------+----------+---------------+
|              Name               | Score | Episodes | Released Date |
+---------------------------------+-------+----------+---------------+
|          Cowboy Bebop           | 8.78  |    26    |  1998-04-03   |
|       Cowboy Bebop:The Movie    | 8.39  |    5     |  2001-09-01   |
| Cowboy Bebop: Yose Atsume Blues | 7.44  |    1     |  1998-06-26   |
| Cowboy Bebop: Ein no Natsuyasumi| 6.25  |    1     |  2012-12-21   |
+---------------------------------+-------+----------+---------------+
Press 0 to exit:
```

Test Case 5: Anime search functionality (Based on Anime age rating) testing for Non-registered user

Requirement: Users without valid user id and password, should be able to search Anime based on the age rating

Actual Behavior: Non-registered users are able to see option to search based on age rating

On entering 2, the program displays multiple options for the user to choose and the search based on that

```
Administrator: Command Prompt - python3  AnimeMain.py
Press  1  to search animes with rating  R - 17
Press  2  to search animes with rating  PG-13
Press  3  to search animes with rating  PG
Press  4  to search animes with rating  R
Press  5  to search animes with rating  G
Please select one option:
```

After choosing the option from the list, the system is able to fetch a list Anime with the matching input

Test Case 6: Anime search functionality (Based on Date) testing for Non-registered user

Requirement: Users without valid user id and password, should be able to search Anime based on Date

Actual Behavior: Non-registered users are able to see option to search based on Date.

On entering 3, the program displays options for the user to enter date values

After entering Date values, the system is able to fetch a list Anime with the matching input

Test Case 7: Anime search functionality testing for Registered-User

Requirement: Users with valid user id and password, should be able to login with their credentials and search for Anime based on anime name

Actual Behavior: Registered users are able to login with their credentials and see option to search based on Anime Name.

```
Administrator: Command Prompt - python3  AnimeMain.py
Welcome Registered User
Press 1 to search Anime
Press 2 to search Animes based on Anime Score
Press 3 to search Animes based on Genres
Press 4 to search for Trending Anime
Press 5 to read synopsis of Anime
Press 6 to modify your Anime Rating
Press 0 to exit
Please select one option: _
```

Test Case 8: Anime search functionality testing for Registered-User

Requirement: Users with valid user id and password, should be able to search Anime based on anime name

Actual Behavior: Registered users are able to see option to search based on Anime Name.

```
Administrator: Command Prompt - python3  AnimeMain.py
+------------------------+--------+----------+----------------+---------+
|          Name          | Score  | Episodes | Released Date  | Rating  |
+------------------------+--------+----------+----------------+---------+
|         Akira          | 8.17   |    1     |   1988-07-16   |    R    |
|    Aa! Megami-sama!    | 7.32   |    5     |   1993-02-21   | PG-13   |
|  Aa! Megami-sama! (TV) | 7.35   |   24     |   2005-01-07   | PG-13   |
|     Ai Yori Aoshi      | 7.14   |   24     |   2002-04-11   | PG-13   |
|    Appleseed (Movie)   | 7.1    |    1     |   2004-04-17   | R - 17  |
|       Arc the Lad      | 6.53   |   26     |   1999-04-05   | R - 17  |
|        Avenger         | 5.91   |   13     |   2003-10-02   | R - 17  |
|     Azumanga Daioh     | 7.98   |   26     |   2002-04-09   | PG-13   |
|   After War Gundam X   | 7.32   |   39     |   1996-04-05   | PG-13   |
|          Air           | 7.32   |   12     |   2005-01-07   | PG-13   |
+------------------------+--------+----------+----------------+---------+
Press 1 for next page
Press 2 to exit
Chose one option: _
```

Test Case 9: Anime search functionality testing for Registered-User (Search based on the Anime score)

Requirement: Users should be able to search Anime based on the score of the Anime

Actual Behavior: Registered users are able to login with their credentials and see a list of available group of score. User is able fetch results based on the Anime score

```
Administrator: Command Prompt - python3 AnimeMain.py
Press 1 see the animes with Score between 9-10
Press 2 see the animes with Score between 8-9
Press 3 see the animes with Score between 7-8
Press 4 see the animes with Score between 6-7
Press 5 see the animes with Score between 5-6
Press 0 to exit
Please enter your choice: 1_
```

```
Administrator: Command Prompt - python3 AnimeMain.py
+----------------------------------------+-------+
|                 Name                   | Score |
+----------------------------------------+-------+
|         Ginga Eiyuu Densetsu           | 9.07  |
|   Fullmetal Alchemist: Brotherhood     | 9.19  |
|             Steins;Gate                | 9.11  |
|               Gintama'                 | 9.08  |
|        Hunter x Hunter (2011)          | 9.1   |
|          Gintama': Enchousen           | 9.04  |
|            Koe no Katachi              | 9.0   |
|               Gintama°                 | 9.1   |
|       3-gatsu no Lion 2nd Season       | 9.0   |
| Shingeki no Kyojin Season 3 Part 2     | 9.1   |
+----------------------------------------+-------+
Press 1 for next page
Press 2 to exit
Chose one option:
```

Test Case 10: Anime search functionality testing for Registered-User (Search based on genres)

Requirement: Users should be able to search Anime based on the genres of Anime

Actual Behavior: Registered users are able to login with their credentials and see a list of available genres. Users can type one or more genres to fetch anime base on that value.

```
Administrator: Command Prompt - python3  AnimeMain.py
Please select one option: 3
List of available Genres
+--------------+
|    Genres    |
+--------------+
|    Action    |
|   Adventure  |
|     Cars     |
|    Comedy    |
|   Dementia   |
|    Demons    |
|    Drama     |
|    Ecchi     |
|   Fantasy    |
|     Game     |
|    Harem     |
|    Hentai    |
|  Historical  |
|    Horror    |
|    Josei     |
|     Kids     |
|    Magic     |
| Martial Arts |
|    Mecha     |
|   Military   |
|    Music     |
|   Mystery    |
|    Parody    |
|    Police    |
| Psychological|
|   Romance    |
|   Samurai    |
|    School    |
|    Sci-Fi    |
|    Seinen    |
|    Shoujo    |
```

Administrator: Command Prompt - python3 AnimeMain.py

```
|   Shounen Ai   |
| Slice of Life  |
|     Space      |
|     Sports     |
|  Super Power   |
|  Supernatural  |
|    Thriller    |
|    Unknown     |
|    Vampire     |
|     Yaoi       |
|     Yuri       |
+----------------+
Enter the genres seperated by , to search anime:Action
```

Administrator: Command Prompt - python3 AnimeMain.py

```
+------------------------+
|      Anime Name        |
+------------------------+
|     Cowboy Bebop       |
| Cowboy Bebop:The Movie |
|        Trigun          |
|   Witch Hunter Robin   |
|     Eyeshield 21       |
| Initial D Fourth Stage |
|        Naruto          |
|      One Piece         |
|  Tennis no Ouji-sama   |
|    Ring ni Kakero 1    |
+------------------------+
Press 1 for next page
Press 2 to exit
Chose one option: _
```

Test Case 11: Anime search functionality testing for Registered-User (Search for trending Anime)

Requirement: Users should be able to search Anime based on the popularity of Anime. Also, user should be able to enter how many top popular Anime they want to see

Actual Behavior: Registered users are able to login and enter how many top popular Anime they want to see. Based on the user input, the program is fetching the most popular Anime.

Test Case 12: Anime search functionality testing for Registered-User (Fetch synopsis of Anime)

Requirement: Users should be able to search and read synopsis of Anime

Actual Behavior: Registered users have the option to fetch synopsis of Anime based on the Anime name

Test Case 13: Anime search and modification testing for Registered-User

Requirement: Users should have the option to see the anime rated by him/her and modify those rating

Actual Behavior: Registered users could see the list of Anime and the corresponding rating. Users also have the option to modify the rating of Anime.


```
Administrator: Command Prompt - python3  AnimeMain.py
Enter the anime name to modify the rating: Shuffle!
Enter a score between 0-10: 10
Rating for  Shuffle!  updated successfully!!
Press 0 to exit: _
```



```
Administrator: Command Prompt - python3  AnimeMain.py
List of Animes that you have watched and rated..
+-------------------------------+--------+
|              Name             | Rating |
+-------------------------------+--------+
|         School Rumble         |   10   |
|         Azumanga Daioh        |   9    |
|            Shuffle!           |   10   |
|          Fruits Basket        |   10   |
|         Gunslinger Girl       |   9    |
| Sen to Chihiro no Kamikakushi |   9    |
|           Elfen Lied          |   10   |
|    Girls Bravo: First Season  |   9    |
|          Hoshi no Koe         |   8    |
|           Peach Girl          |   8    |
+-------------------------------+--------+
Press 1 for next page
Press 2 to exit
Chose one option:
```

Test Case 14: Admin login functionality

Requirement: Admin users should be login with their credentials and after logging, Admin should see the option to perform insert, update and delete sql functionalities

Actual Behavior: Admin are able to login with their credentials and see options to insert data, update data and delete data.

Test Case 15: Insert Data into table testing

Requirement: Admin users should have the provision to insert new records into table

Actual Behavior: Admin are able to login with their credentials and see options to insert data

On entering 1, admin users could see two options to insert data into two different tables

Test Case 16: Insert Data into AnimeInfo table testing

Requirement: Admin users should be able to insert new record in AnimeInfo table

Actual Behavior: Admin are able to login with their credentials and see options to insert data. After entering 1, user is able to enter data for AnimeInfo table and update that with a new record

```
Administrator: Command Prompt - python3  AnimeMain.py
Press 1 to insert into the table AnimeInfo
Press 2 to insert into the table UserInfo
Press 0 to exit
Please enter your choice: 1
Input MALID: 50000
Input Anime Name: Dark
Input Anime score: 7
Input Anime English Name: Dark
Input Anime Type: TV
Input Anime Episodes: 3
Input Anime Aired_start: 1998-01-02
Input Anime Aired_end: 1999-08-01
Input Duration_in_min_per_episode: 23
Input Popularity: 133
1   row inserted successfully
Press 0 to exit: _
```

Test Case 17: Admin users functionality testing (Update existing records)

Requirement: Admin users should be able update new records from the AnimeInfo table

Actual Behavior: Admin users are able to login with their credentials and see options to update data. After entering 2, user is able to update data in AnimeInfo.

```
Administrator: Command Prompt - python3  AnimeMain.py
Enter MALID to update record in AnimeInfo table: 50000
Enter the Name of the attribute to be updated: Name
Enter the value of the attribute to be updated: Dark Knight
Successfully updated  1 records
Press 0 to exit: _
```

Test Case 18: Admin users functionality testing (Delete existing record)

Requirement: Admin users should be able delete existing records from the AnimeInfo table

Actual Behavior: Admin users are able to login with their credentials and see options to delete data. After entering 3, user is able to delete a record from the UserInfo table

```
Administrator: Command Prompt - python3 AnimeMain.py
Enter UserID to delete a record from the UserInfo table: 16
Record deleted successfully..
Press 0 to exit: _
```