

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)

```
Administrator: Command Prompt - python3 AnimeMain.py
Press 1 to search anime by Name
Press 2 to search anime by Anime Age Rating
Press 3 to search anime by Release Date
Press 0 to exit
Please select one option:
```

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.

```
Administrator: Command Prompt - python3 AnimeMain.py
Press 1 to search anime by Name
Press 2 to search anime by Anime Age Rating
Press 3 to search anime by Release Date
Press 0 to exit
Please select one option:
```

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

Administrator: Command Prompt - python3 AnimeMain.py

Anime Name	Rating
Trigun	PG-13
Witch Hunter Robin	PG-13
Eyeshield 21	PG-13
Hachimitsu to Clover	PG-13
Hungry Heart: Wild Striker	PG-13
Initial D Fourth Stage	PG-13
Naruto	PG-13
One Piece	PG-13
Tennis no Ouji-sama	PG-13
School Rumble	PG-13

Press 1 for next page

Press 2 to exit

Chose one option:

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

Administrator: Command Prompt - python3 AnimeMain.py

Please type the 1st relase date of anime in (YYYY-MM-DD) format: 1994-04-01

Please type the 2nd relase date of anime in (YYYY-MM-DD) format: 1994-05-01

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

Administrator: Command Prompt - python3 AnimeMain.py

Name	Aired
Mobile Fighter G Gundam	1994-04-01
Future GPX Cyber Formula Zero	1994-04-01
Boku no Kachi	1994-04-01
Montana Jones	1994-04-02
Gene Diver	1994-04-04
Karaoke Senshi Mike-tarou	1994-04-04
Goal FH: Field Hunter	1994-04-04
Pacusi	1994-04-04
Soccer Fever	1994-04-04
Daisuki! Nendomama	1994-04-04

Press 1 for next page

Press 2 to exit

Chose one option:

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

Please enter User ID:5

Please enter password:

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.

```
Administrator: Command Prompt - python3 AnimeMain.py
Please enter how many trending Anime you want to view: 3
+-----+
|           Name           |
+-----+
| Yama no Susume: Next Summit |
| Tsuki to Laika to Nosferatu |
|           Scarlet Nexus     |
+-----+
Press 0 to exit:
```

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

```
Administrator: Command Prompt - python3 AnimeMain.py
Anime Name
-----
Cowboy Bebop
Cowboy Bebop:The Movie
Cowboy Bebop: Yose Atsume Blues
Cowboy Bebop: Ein no Natsuyasumi
-----
Enter anime name to read synopsis: Cowboy Bebop
Synopsis: In the year 2071, humanity has colonized several of the planets and moons of the solar system
leaving the now uninhabitable surface of planet Earth behind. The Inter Solar System Police attempts
to keep peace in the galaxy, aided in part by outlaw bounty hunters, referred to as "Cowboys." The
ragtag team aboard the spaceship Bebop are two such individuals. Mellow and carefree Spike Spiegel
is balanced by his boisterous, pragmatic partner Jet Black as the pair makes a living chasing
bounties and collecting rewards. Thrown off course by the addition of new members that they meet in
their travels—Ein, a genetically engineered, highly intelligent Welsh Corgi; femme fatale Faye
Valentine, an enigmatic trickster with memory loss; and the strange computer whiz kid Edward
Wong—the crew embarks on thrilling adventures that unravel each member's dark and mysterious past
little by little. Well-balanced with high density action and light-hearted comedy, Cowboy Bebop is a
space Western classic and an homage to the smooth and improvised music it is named after.
Press 0 to exit
```

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.

CA Administrator: Command Prompt - python3 AnimeMain.py

```
Welcome Admin
Press 1 to insert record
Press 2 to update record
Press 3 to delete record
Print 0 to exit
Please select one option:
```

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

CA Administrator: Command Prompt - python3 AnimeMain.py

```
Welcome Admin
Press 1 to insert record
Press 2 to update record
Press 3 to delete record
Print 0 to exit
Please select one option:
```

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

 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:
```

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

C:\> 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.


C:\> 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: _
```