

Report For Mini-Program

I . User Guide and a Testing Strategy:

①When using our system, you will first see there is a login interface:

You are asked to Input number 1(to login), number 2(to sign up) or “B\b” (to exit our system)

②First, Let's try to register a user account: (**user id:c300,user name: Jim Smith, Password:12345**)

③Then use the account that you created to Login, after that, you get a home page that you can select options to decide what you want to do:

```
Login in as customer c300
-----
1      Start a session
2      Search for movie
3      end watching a movie
4      end the session
no session ID assiged this moment

<int> number of option
B back

indicate your choice> [ ]
```

④**Before watching a movie:**First you need to choose a session first,the session number will be chosen by the system automatically.Then you can search for a movie by using some key words.

Option1: you can use some keywords that consist of the title of the movie.

Option2: you can enter the name to search for movies that your favorite cast member acts in(you can input multiple cast members' names).

Option3: you can enter the role of the movies that you prefer to.

Either Options is also allowed to input multiple keywords.

```
select your movie by keyword:
-----
1: title
2: cast member name
3: member role
not all the entry are mandortry
B: go back
S: submit

your selection> |
```

For example: you search for a title of a movie by using the keyword “Terminal”. You can get a list of matched movies.Then you can **add** the movie to your list by **entering the index number** of the movie.After that you can get details about the movies,and you can follow casts or start watching.

```

Title:    The Terminal
mid:      20
Publish at 2004
Length:   128
-----
mid              title              birthYear
Tom Hanks        Viktor Navorski    1956
-----
3 Customer watched this movie
-----

-----
1  follow a cast
2  start watching

<int> number of option
B back

```

⑤ **Watching a movie:** (enter '2'), you will start watching movies, and press 'Enter' back to the home screen.

```

your movie start watching now!

```

⑥ **End a movie that you are watching to:** Back to home screen, select '3', then you can get a list of movies that you are watching. Enter the left-most number of each line to end a movie that you want.

```

1  20              The Terminal      2004
2  70              Life              2017

```

⑦ **Also, you can end a session without ending all of the movies,** the system will end the movies automatically.

⑧ **END.**

II Editor Guide and a Testing Strategy:

① For example, there exists a editor account(id:e100, password:1001).

② The interface for the editor is:

```

Login in as editor e100
-----
1  Add a movie
2  Select report
3  add caster

<int> number of option
B back

indicate your choice> |

```

1) Option1: you can add a movie by entering mid/title/year/runtime

```

Select what do you want to input:
-----

```

```

1: mid
2: Title
3: Year
4: Runtime
All entry are mandory!
B: go back
S: submit

```

```

your selection> |

```

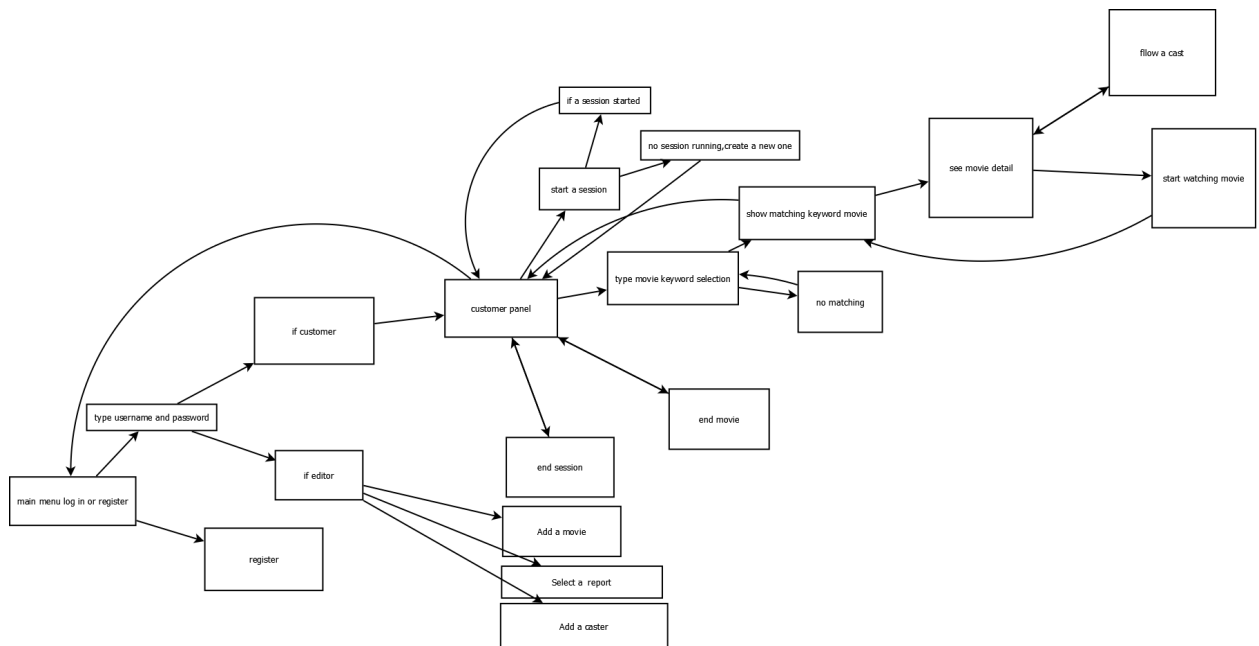
2) Option2: You can get a report for the movies that the customers watched. (Monthly report, Annually report, All-time report)

3) Option3: Add a caster's information. (caster's pid, name of movie people, role)

③ **END.**

III detailed design of the software:

1. A Flow Chart:



2. Define a Class (WatchMovie).

Method inside the WatchMovie class:

- 1)connect():connect to the database, and read data
- 2)login_screen():login information validation
- 3)editors_menu():a home page for an editor.
- 4)add_movie():For an editor user to add a movie inf.
- 5)insert_caster():For an editor user to add a caster inf.
- 6)report(): return a report(Monthly,Annually,All-time)
- 7)customers_menu():a home page for a customer user
- 8)create_new_session():Start a new session ID for a customer user.
- 9)end_session():For a customer user to end a session.
- 10)search_movie():search for a movie with one/more keywords
- 11)watch_movie_service():For a customer to watch a movie
- 12)follow_moviepeople_service():For a customer to follow a customer
- 13)start_watch():update table with a movie record
- 14)end_watch():search all unfinish movie and let user decide to finish which one

15)register_service_bridge():Register a new user

IV Group Work Strategy:

This project is divided into three parts(login part, customer part, editor part).

Partners below are represented by their CCID.

Zhiyu9: takes the responsibility for the part of Editor.

Time Spent:1 Week.

Zmai1:takes the responsibility for the part of the customer and login.

Time Spent: 1 Week.

Shiyao4:takes the responsibility for testing and debugging the program, and the login part.

Time Spent: 1 Week.

Use pycharm to create a shared python file so that each of the group members can edit the python doc remotely and work efficiently.