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.The id of the session is unique, and the date of the session shows the current date, the duration is set to Null.

Then you can search for a movie by using one/more keywords.

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

Option2: you can enter the caster's 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 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>
```

After finding matched movies, it will show some information about the movies(title, year,duration),and it will be ordered by the number of matched keywords.For example: you search for a title of a movie by using the keyword "Terminal". You can get a list of matched movies.

```
selected your movie
--------------------
#    mid      title                    year     runtime
1    20       The Terminal             2004     128


<int> number of option
B back
```

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.
⑧END.

Ⅱ Editor Guide and a Testing Strategy:

①For example, there exists a editor account(id:e100, password:1001).
②The 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),editors can select a pair of movies, and add it to

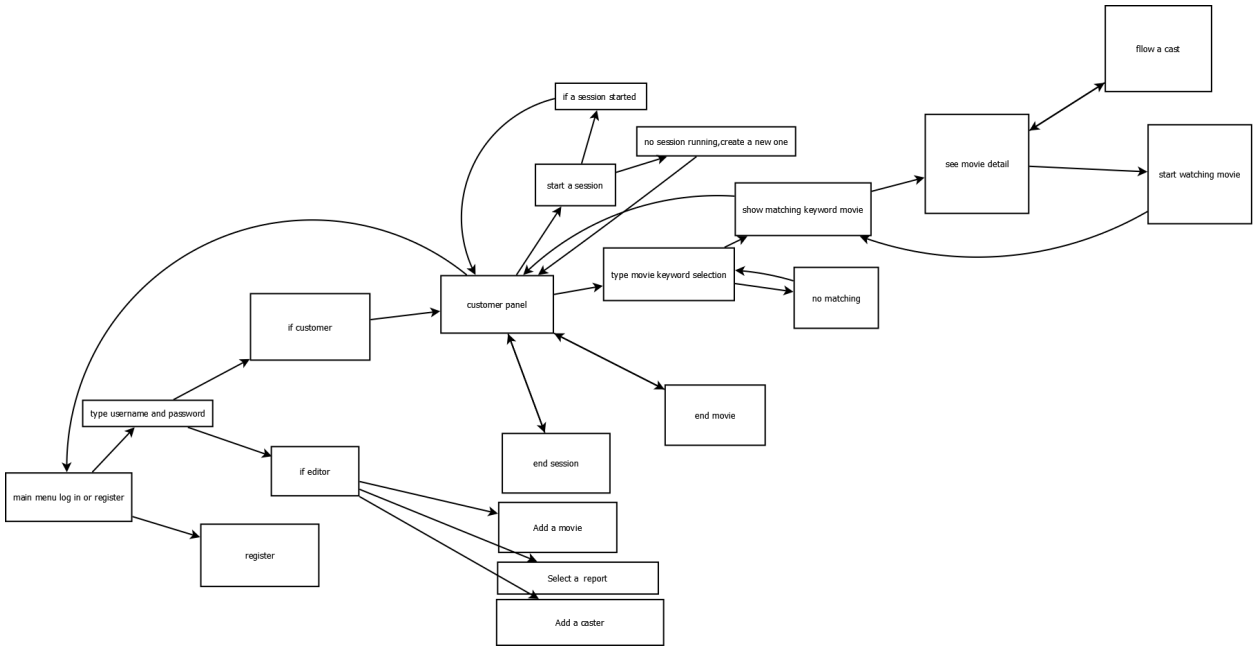
the recommended list ,update its recommended score, or delete the pair of movies from the recommended list.

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

③END.

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`

16)fetch_info():`gets the query of text,get information from database,and return the tille and information`

17)list_input_menu():`This function intended to allow users to input their information, users are able to input the blank they want.However this function only does a general check,their input will return and the original function will fetch information and connect.`

18)Select_menu():`This function is intended to give 1 to many 2D graphs to select.It allows users to select different function pages from.It also allows users to give multiple pages of information in this list as well.`

19)add_score():`Add a Recommended score(0-1) for pairs of movies according to the number of customers who have watched these pairs of movies in one session time.`

20)update_score():`editor can update the recommended score.`

21)delete_score():`editor can delete the recommended score.`

22)change_rec():`editor can use this method to add/update/delete recommended score conveniently.`

Ⅳ **Group Work Strategy:**

This project is divided into three parts**(login part, customer part, editor part).**Partners below are represented by their CCID**.**

1)Zhiyu9: takes the responsibility for the **part of Editor.**

Time Spent:1 Week**. Work Status:** Fully Complete

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

Time Spent: 1 Week. **Work Status:** Fully Complete

3)Shiyao4:takes the responsibility for **testing and debugging the program, and the login part.Time Spent:** 1 Week. **Work Status:** Fully Complete

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