MovieGoer

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Team number: 20

Member's Names:

Khoa Pham

Johnny Phenglavong
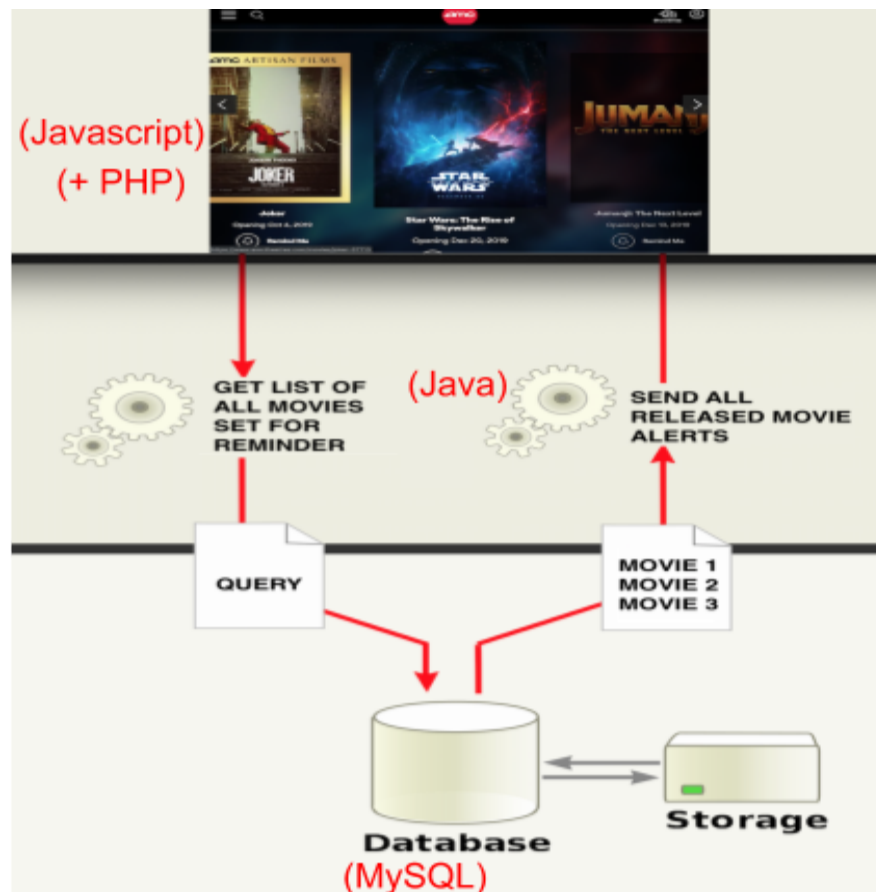
Yu Xiao Zheng

Project Overview - Johnny Phenglavong

Our group will be implementing a website for keeping track of the latest movie releases. Our stakeholders will be movie-goers and the entertainment industry. The problem with advertising in the entertainment industry is that once movie-goers view trailers that they are interested in, there is a lack of easy actionable follow up until the release date.
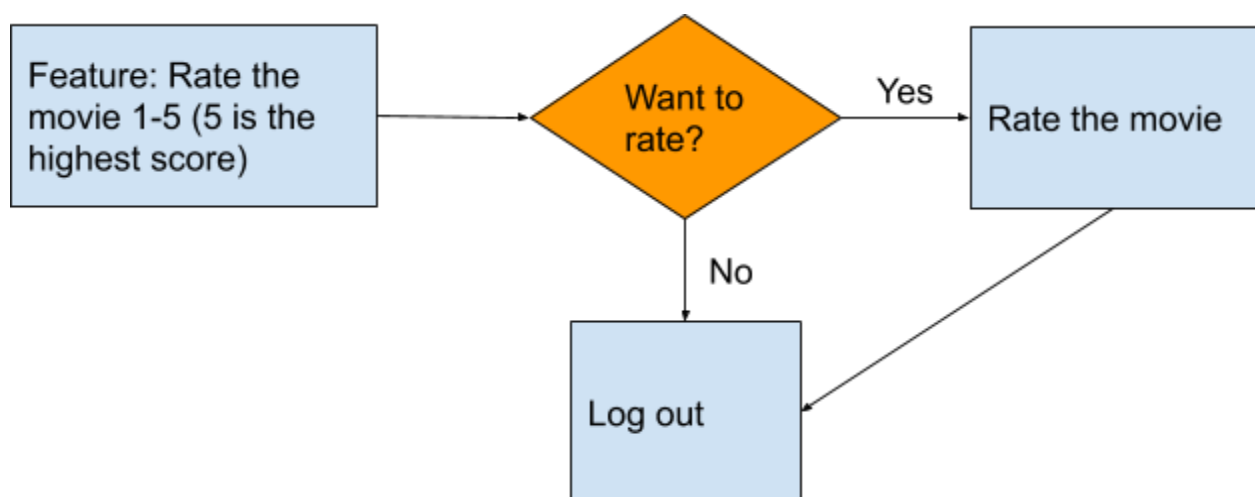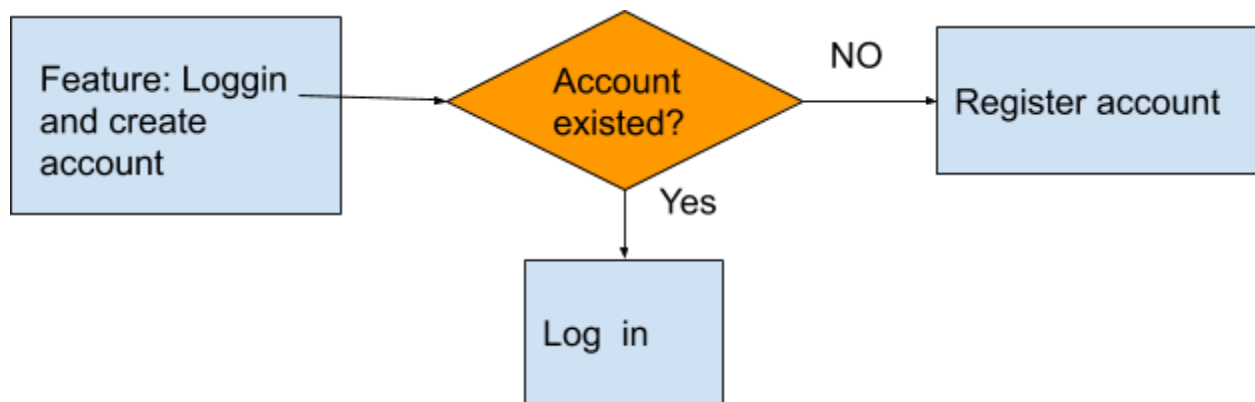
Potential clients who were drawn in while watching the trailer will forget about the movie by release date. Therefore, this project will be important in retaining customer attention and awareness of movies. In addition, the entertainment industry can profit from this project.
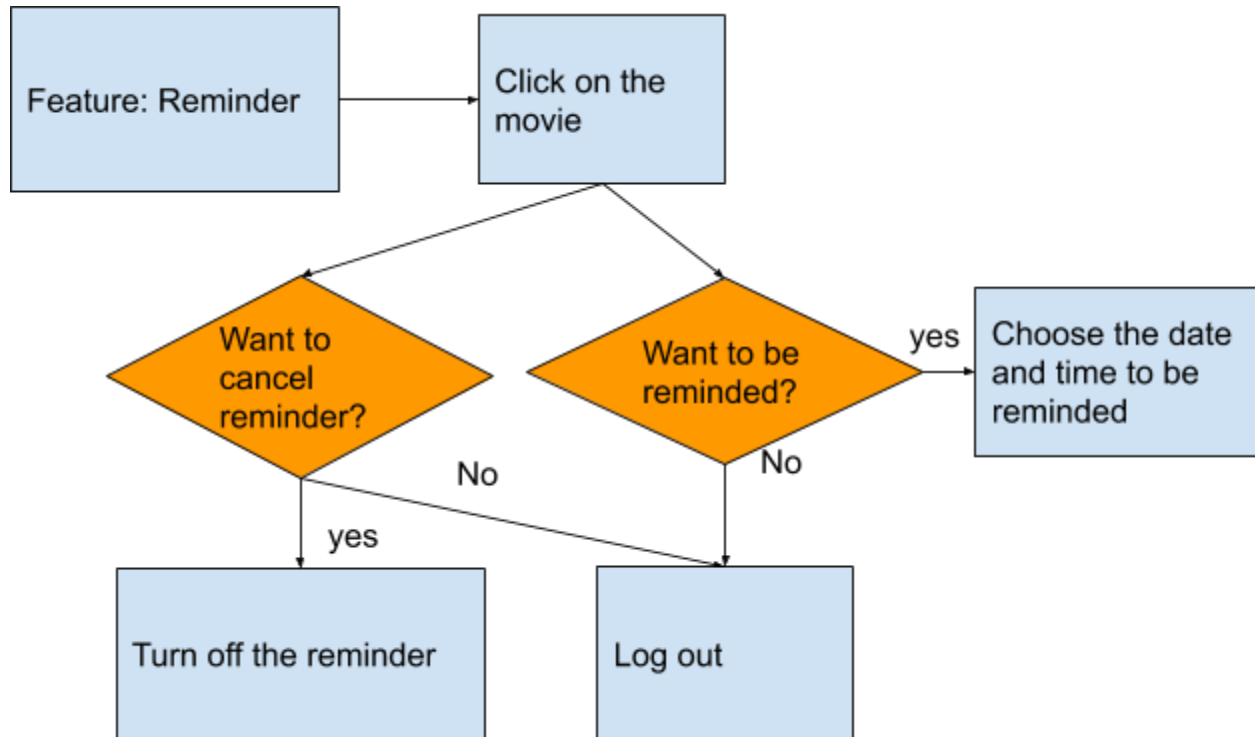
System Environment - Johnny Phenglavong & Khoa Pham

Functional Requirements - Khoa Pham & Yuxiao Zheng

Our users will be all of the movie-goers. They can register for an account that includes all the films they'd love to watch when release dates arrive along with a reminder timetable. Registering for an account is necessary for the users to keep track of their timetable. After logging in to the account, they can see a list of upcoming movies, and they can decide if they want to be reminded when the movie comes. In addition, clients can drop ratings to the film so that other clients can see and do so. Another feature is to also include a quick questionnaire on whether the user has seen the movie, does not want to be reminded anymore or to extend the reminder.

```
Feature: Loggin        Account          NO      Register account
and create            existed?  ─────────────>
account         ────>          
                         │ Yes
                         ▼
                       Log in
```

```
Feature: Rate the      Want to      Yes     Rate the movie
movie 1-5 (5 is the    rate?   ───────────>
highest score)  ────>        
                         │ No
                         ▼
                       Log out
```

```mermaid
flowchart
  Feature[Feature: Reminder] --> Click[Click on the movie]
```

Feature: Reminder → Click on the movie

Click on the movie → Want to cancel reminder?

Click on the movie → Want to be reminded?

Want to be reminded? --yes--> Choose the date and time to be reminded

Want to be reminded? --No--> Log out

Want to cancel reminder? --yes--> Turn off the reminder

Want to cancel reminder? --No--> Log out

List of functional requirements including database operations:
- Register functioning:
  - mysqli_query()
  - getError()
  - insertCustomerDetails()
- Login functioning:
  - mysqli_query()
  - longin()
  - mysqli_query($this->con,"SELECT * FROM users WHERE username='$un' AND password='$pw'");
- Adding objects
- Deleting objects
- Changing objects
- Searching objects
- Displaying the data on the website
- Users have their ability to add delete change search on the website

For Back-end,
- We will operate the data on our Website Backstage
- Using Spring-boot tech to implement the Back-End operation

Non-functional issues - Yu Xiao Zheng & Johnny Phenglavong

We're going to use JavaScript, PHP, and Java to develop a GUI main screen for clients to interact with. Talking about the backend, we're going to use Java (JSP + servlet or spring boot) to implement the code. In addition, we're going to use phpMyAdmin, MySQL, XAMPP, MySQLWorkbench for the database.

List of nonfunctional requirements
- The system must be secure in order to protect user-information.
- The system must be available and robust during peak connection traffic.
- The system must be able to perform push notifications to an interested audience based on calculations from user feedback.
- The system should be able to switch out newly released movies and older films.
- The system must be intuitive and allow users to navigate the site on the first attempt.