Project Proposal

MyMovieList

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CS 157A
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Project Overview

Our proposed project is MyMovieList, a social media application for both avid and casual moviegoers!
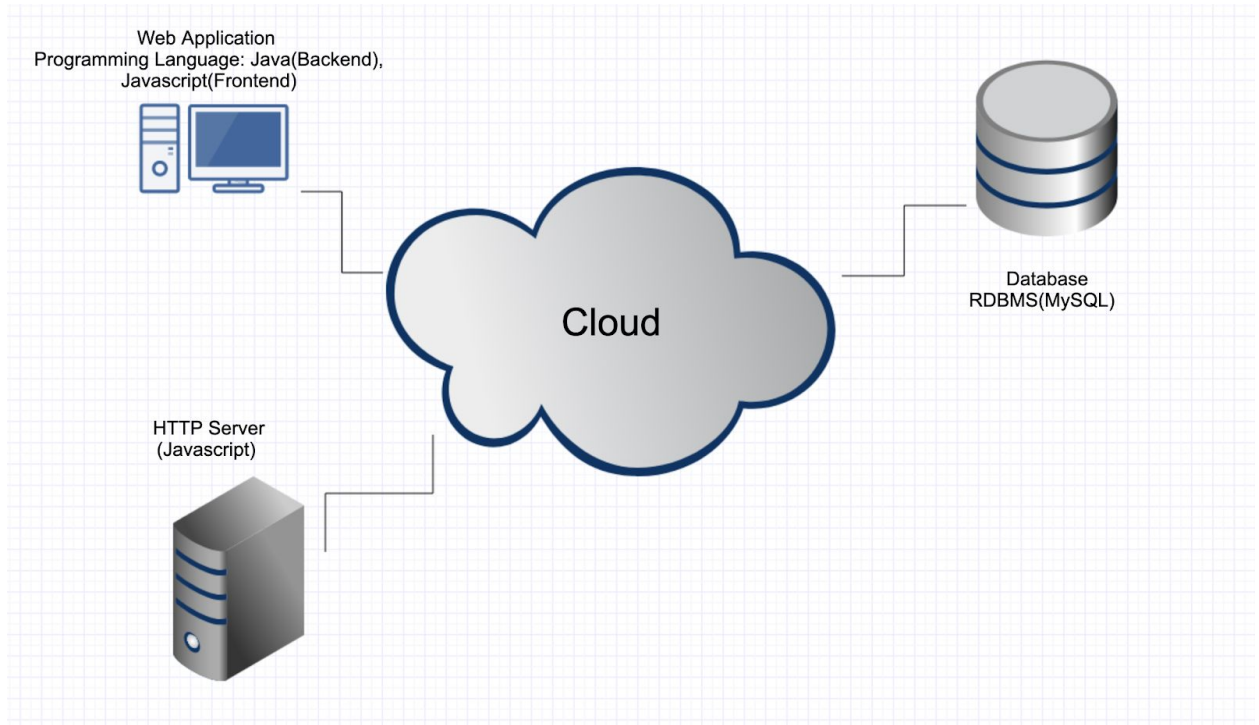
The purpose of MyMovieList is to give movie watchers a platform to show off all the movies and tv shows they have watched, as well as leave reviews for these movies and tv shows. Ultimately we want this application to be one that people will use for their movie inquiries and connecting people with similar interests.

The stakeholders for this web application will be mostly teens and young adults, along with movie enthusiastic people. Stakeholders can be anyone from a general population to a professional critic. The targeted audience for this web application is passionate movie and film viewers.

Many tend to forget which movies they have watched, so using this web application will allow them to track the list of movies they have watched with the rating given by the user. Often, people have the same interest as their friends, so people can look at their friends' movies list and look at the reliable rating and suggestions made by their friend.

System Environment

A. System Diagram

B. Hardware and Software

- Back-end: Java(JSP, Spring Boot)

- Front-end: Javascript

- HTTP Server: Tomcat

- Database: MySQL Workshop

Functional Requirements

In order to perfect this product, we must put the user/customer first. Our product will be used by movie lovers, and basically the general public. We want to make it as user friendly and simple to use, as our customer can range widely from age, tech experience, etc. In addition to our easy to use UI, our users will interact with our application by first making an account in which they will be using their email, and making a password. Once logged in, users will have the ability to search up their friends' accounts and follow them in able to see that profile's content. Users will also be given the ability to look up a movie or tv show title and add them to their profiles, as "movies/tv shows watched" or "movies/tv shows to watch". Other then adding them to their profiles, the user will also be able to leave reviews on the movies and like/comment on other people's reviews.

Describe each use case:

- Register: Users need to register with their username, password and email. All the information will be stored in the database.
- Login: Users need to login in order to fully access the features on the website.
- Search: Users will be able to search to a specific movie to check it's rating and reviews.
- Review: Users will be able to write a review to a movie.
- Rate: Users will be able to rate a movie from scale 1 to 5 stars.
- Watch Later: Users will be able to add a movie to watch later list.
- Suggest to friends: Users can share the movie via social media to their friends.

- Add friends: User will be able to search their friend using associated email information.

Non-functional Issues

- Type of Graphical User Interface: Web application with material design.
  - The application will have an user-friendly interface which is easy to understand.

- Security: The application will use DBMS to store user information (username, password)