

Pyramid Builders

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Description

Our application is a movie review web app. When fully realized, this application will include a social aspect so that a user is able to easily find reviews that match to their tastes, as well as connect with other users with similar tastes.

Users can create a profile, browse movie reviews, and share reviews of their own. Our application provides users with a one stop shop for movie reviews.



Features

- All users and guests are able to search for movies and see their reviews.
- Users are able to register and login.
- A user is able to write reviews.
- A user is able to edit and delete reviews they have made.
- Users are able to customize their own profiles.



Planning - User Stories

- As a new user, I can register for an account.
- As a user, I can search for movies by keyword.
- As a registered user, I can update my profile with photo, bio, and interest tags.
- As a registered user, I can create, edit, and delete movie reviews.



Planning - Database

- Utilized Firebase's built in Authentication tools for Users
- Review Database: stores review text, title, and rating, as well as stores the movie id from an external api and the user id from Firebase Authentication.
- Profile Database: primarily stores bio text while pulling user info from the user database. Currently has a blank friends list intended for future expansion.



Technology Stack

- **Language:** Java, JavaScript
- **Framework:** Spring Boot, React
- **Template engine:** React
- **Database engine:** Firebase
- **Other libraries or components:** React, Bootstrap



Demo



What I Learned

- **Sydney:**
 - During this project I primarily became familiar with React.
 - I learned how to pull information from one page, so that it can be used across the website.
 - One feature I learned was how to create submittable forms, as well as user-dependent features.



What I Learned

- **Roz:**
 - **Postman** - utilized postman for Java Rest API testing when front end was still in the works.
 - **Firebase** - both Authentication and NoSQL databases. This required a lot of looking at documentation to discover how to properly do queries.
 - How to use **states and props in React** to maintain a user object from page to page once logged in. This allowed us to utilize the user object on multiple pages once logged in, being able to access name and userId for other database information.



What I Learned

- **Bunny:**
 - **New framework :** React
 - **New technique:** Connecting to the OMDB API to pull in movies and their relevant details
 - **New feature or problem:** Creating a user profile, connecting user accounts to their reviews



What I Learned

- **Reagan:**
 - **Git** and **branching strategies**, as well as basic agile workflows
 - Creating **user stories** and **wireframes**
 - **ReactJS**, and how to create components with it
 - **Connect Java APIs to ReactJS** for data payloads
 - **How to work with a team!**



What I Learned

- **Mohamed:** ○



What's Next

- **Better error handling and validation messaging:** Includes verbose error messages and preventing duplicate usernames
- **Social Features:** Setting up Friend's lists and prioritizing friend's reviews
- **Saved user preferences:** including themes based on preferred Genres (horror, romcom etc.)
- **Expansion beyond movies**
- **Filter and sort movie searches**
- **"Favorite" reviews and genres,** so users can reference them in the future

