

Team Name: Hackstreet Boys

Team Members: Kevin Lin (Project Manager), Mohammed Jamil, Tianrun Liu, Sajed Nahian

Project Name: MyNextMovie.com

Front End Framework: Bootstrap

APIs To Be Used: OMDB, TasteDive

### **Component List**

Authenticator: Logs users in

Add Favorite Category: Method for users to input what category of movies they like

Movie Finder: Finds movies based on the user input

Friends: Add/Remove friends to see what they like/get suggestions from them

Comments: Leave comments on movie pages

Ratings: Users can vote a movie up/down

Discover: Find movies based on user votes or time released or box office for each genre

Review: User can leave review about the movie on the movie page

Movie Page: Displays the movie picture, title, comments, reviews and rating

### **APIs**

OMDb: Allows searching of movies. This will be used to allow users to add movies to their 'liked' list and to gather information on selected movies.

TasteDive: Takes in movie(s) and recommends new movies based on that.

### **Interactions**

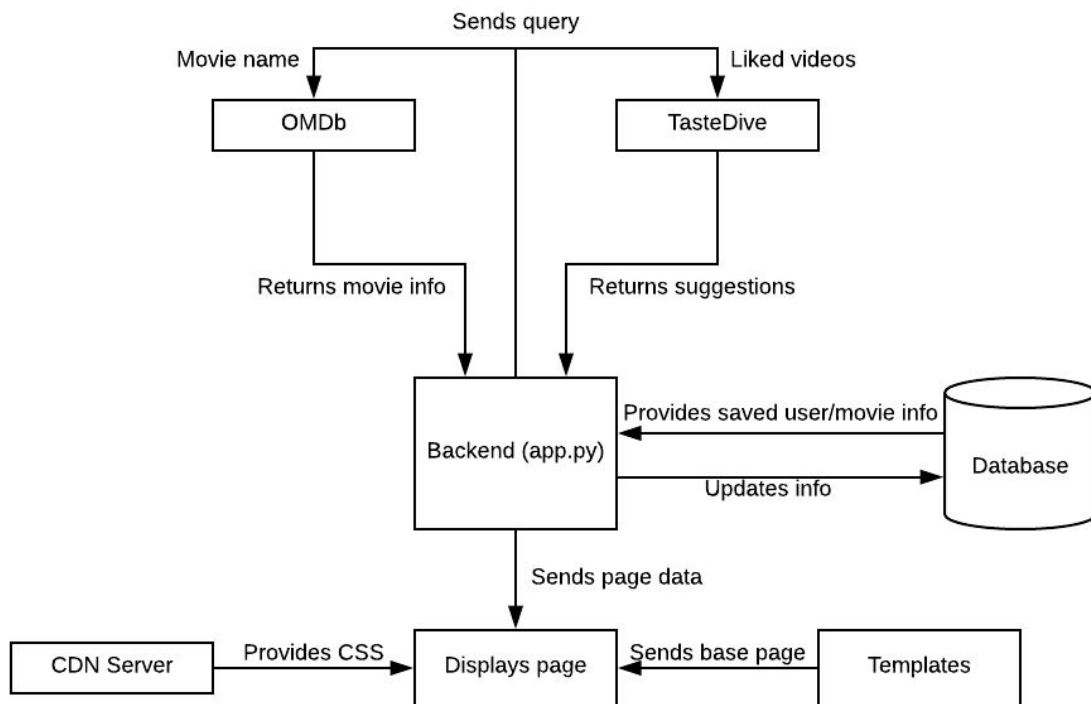
User Profile and Movie Finder: Work together to generate suggestions based on the profile it is used on

Review, Ratings, and Movie Page: The movie page will display its overall rating, along with reviews for the movie

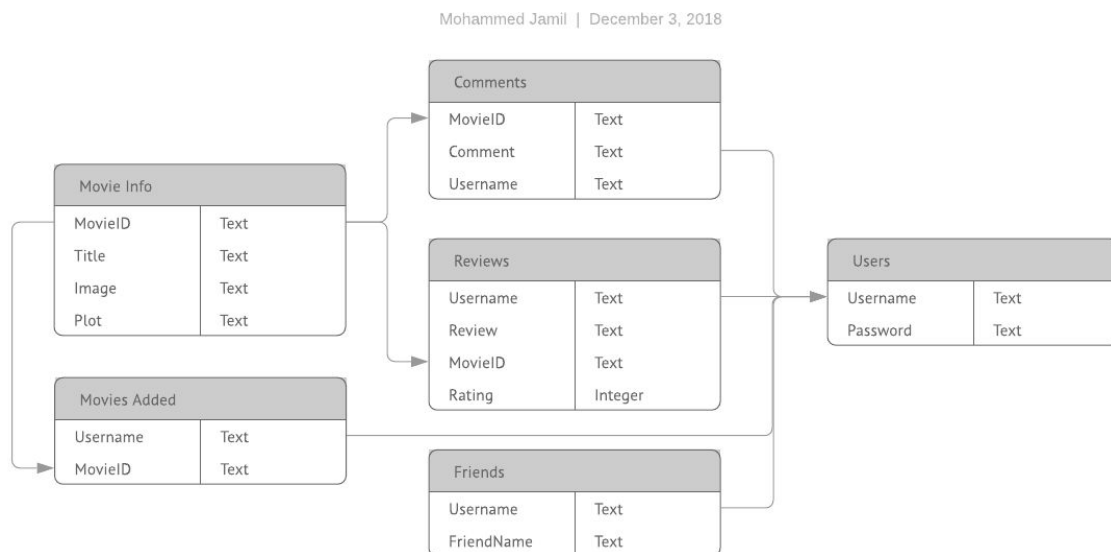
Discover, Ratings, and Movie Page: Discover will show the top rated movies

Comments, Movie Page: Ability to leave comments on a movie's page

## Component Map



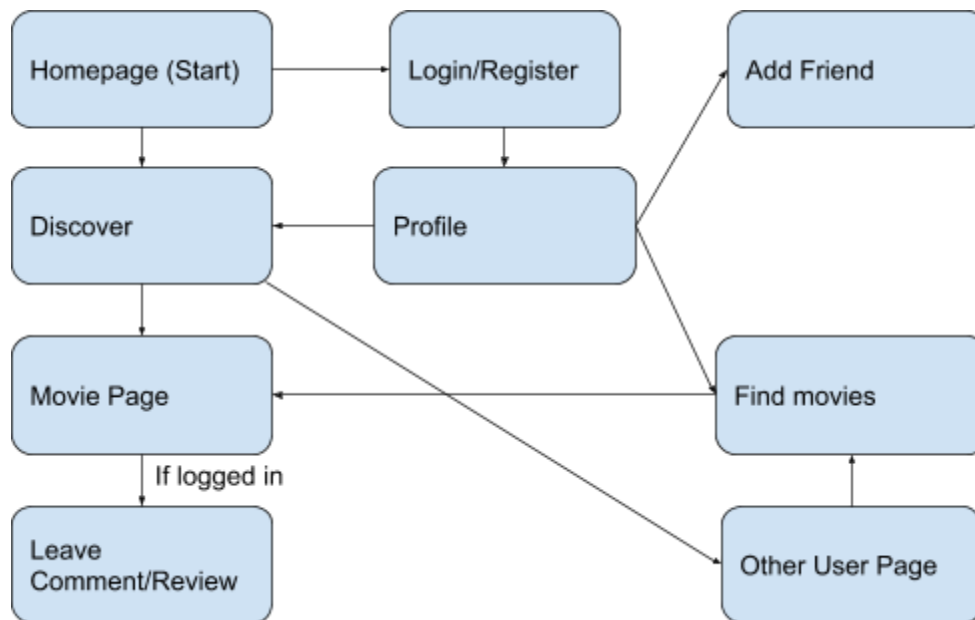
## Database Schema



The users table stores the names of users and their passwords for authentication. The movies added table stores the OMDb IDs of movies that have been added by user to their lists. The reviews database stores a review and a rating for a certain movie by a certain user. The

comment system stores comments and the movie it was made on and the username of the user who made it. The friends databases store the name of a user and a friend and there is an entry for each pair of user and friends. The function of the friends database is for users to be able to see movie preferences of other people. The movie info table stores the title, plot, and image URL of the movie so that less requests would be needed to be sent to OMDB.

### Sitemap



### Tasks

#### **Database: Kevin Lin**

Write the authentication system  
Database management

#### **API: Sajed Nahian**

Discover new movies page  
Movie pages

#### **Miscellaneous tasks: Mohammed Jamil + Sajed Nahian**

Profile pages  
Ability to rate movies  
Ability to leave movie reviews  
Friend system

***Templates:*** Tianrun Liu

Bootstrap CSS

Website templates

We will work together on tasks whose components interact with each other.

