# CSE 305 : FINAL PROJECT
## User Manual for BioScope

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## Running the App

The app uses `Python 2.7` as the runtime version with following dependencies. The web interface was designed using `Bootstrap 3`, focusing Google Chrome for rendering. Styling and fonts are used from content delivery networks, therefore it is strongly advised to be connected to the internet while running the app.
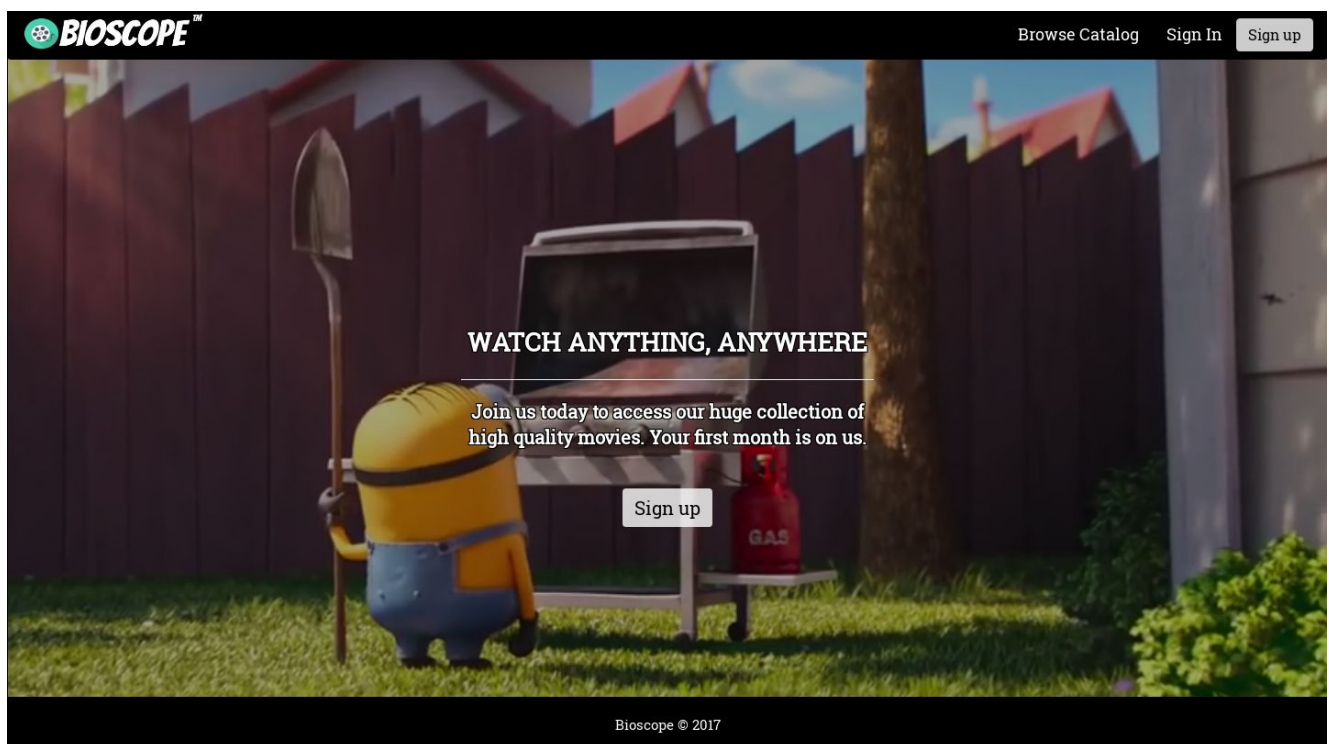
Required libraries for Python :
- Flask
- MySQLdb
- Werkzeug

Assuming all the dependencies are met, the app can run after navigating to the directory which contains `app.py`. Simply type,

```
$ python app.py
```

If the console starts interpreting without errors, point a web browser to `localhost:5000/`

## Walkthrough



The homepage presents you with the options to **Sign up**, **Sign In** if you have already created an account. The **Browse Catalog** link will let you browse the movie collection without being able to rent any movies.

Assuming a first time user would choose **Sign Up**, then the user is forwarded to a page where the user is prompted for additional details. All fields are required to be filled. In case of an empty field, the user is barred from proceeding with **Sign In.**

Successfully signed up users are presented with a **Sign In** page, where the user can use the email together with the password to access the system. If an incorrect combination has been input, the user will be prompted again for correct email/password.



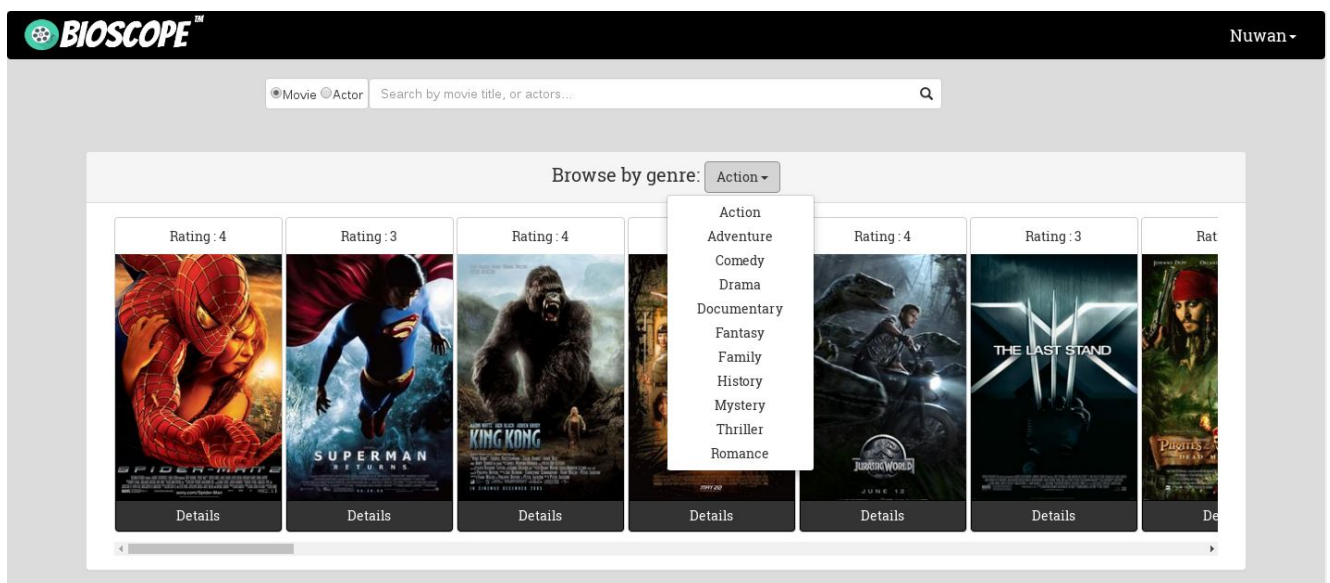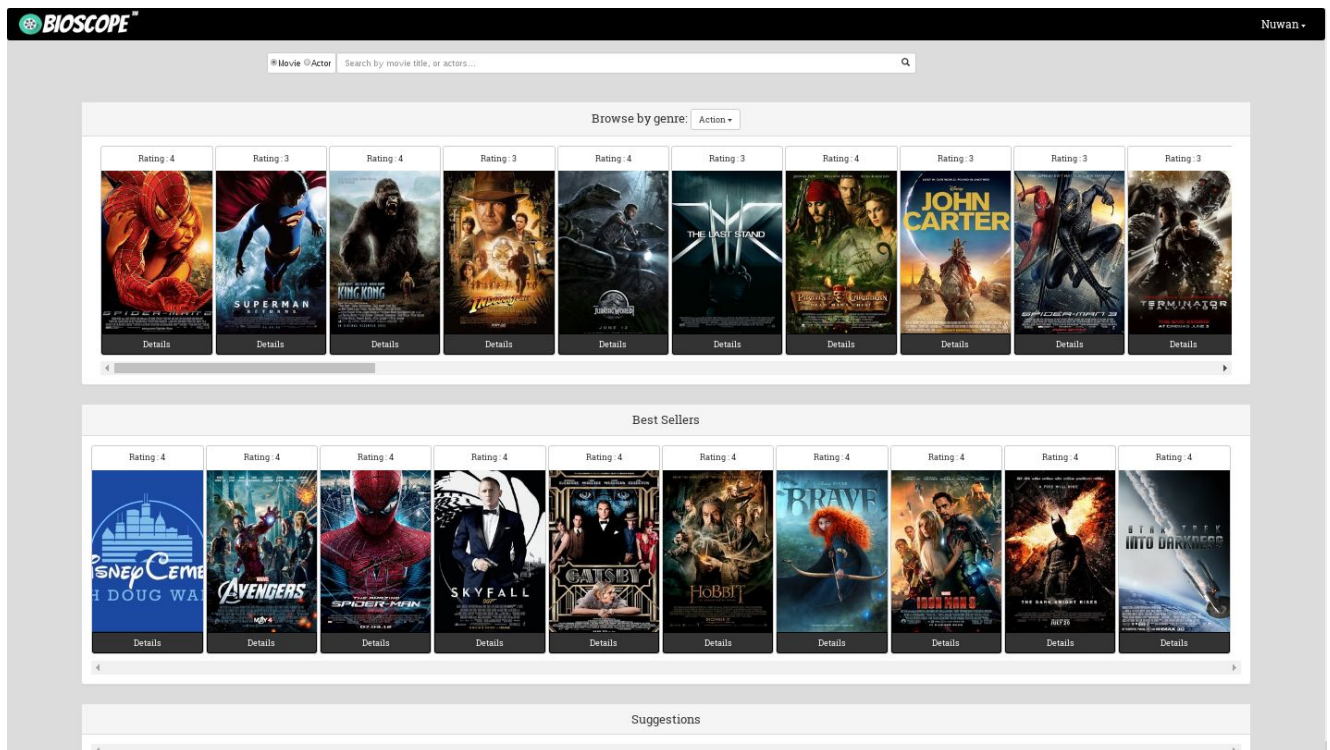A successful login will be presented with the user homepage. Users can browse movies by genre, see the bestselling movies that are curated according to their rating. Users are also presented with their own personalised movie suggestions. These suggestions improve over time as the user rents movies, and adds to the queue.
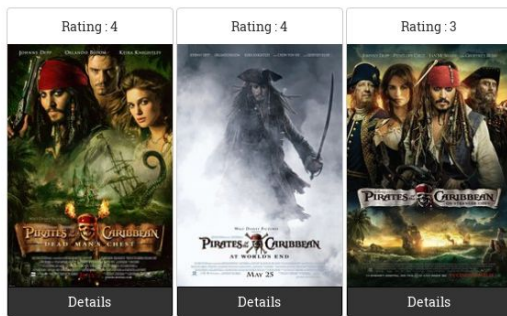
The top navigation bar show the name of the logged in user with a dropdown accessible to view the **Queue**, **Settings**, and to **logout**.
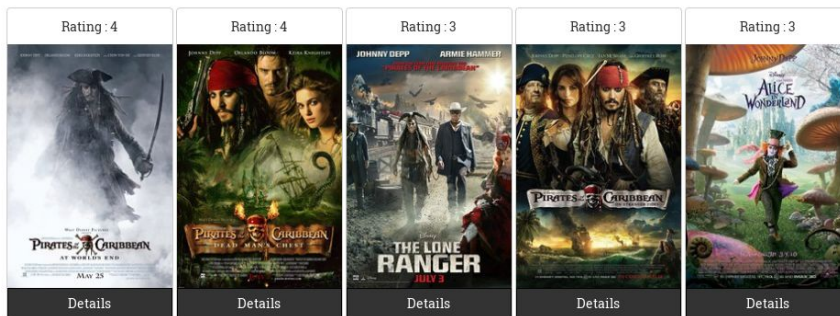


The home page also lets the user search movies, and movies starring certain actors. Multiple actors can be searched by separating the names with a comma, eg. `Depp, Hanks`
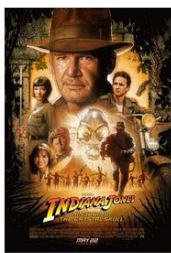
By clicking on **Details** for a movie, the user is presented with a page with a summary of movie details. The user can then opt to add the movie to the queue.

The **Queue** page accessed from the dropdown shows all the movies that currently in the queue. User has the option to rent the movie which on the head of the queue, and the option to remove any movie from the queue. A user is allowed to rent one movie at a time regardless of the plan. User may return the movie by clicking on the **Return** button.



The user may change account settings accessed via the **settings** page.

The user also has the option to delete the account resulting the system to remove all the data belonging to the user such as queue, and orders.

A user selecting logout from the drop-down will be logged out of the session and will be redirected to the main home page, where the user may decide to sign in at a later time.

# Appendix

- Source files for this project can be found at [Github](Github)
- The movie list was curated from [Kaggle](Kaggle)
- Movie posters were web scraped from IMdB