

CSE 305 : FINAL PROJECT

User Manual for BioScope



BioScope Team

Joshua Jinwoo Han

Nuwan Werellagama

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 :

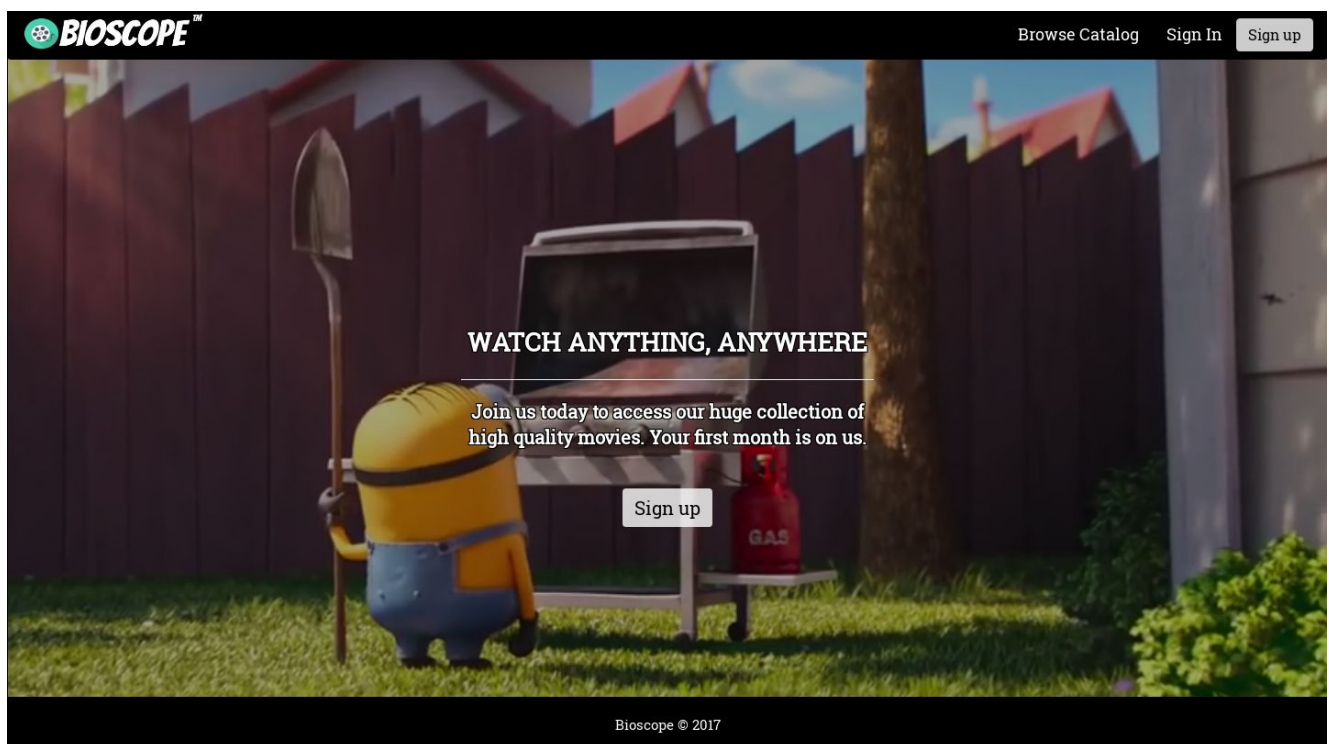
- Flask
- MySQLdb
- Werkzeug

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**.


[Browse Catalog](#)
[Sign In](#)



Sign up

First Name: Enter first name

Last Name: Enter last name

Email: Enter a valid email address

Password: Enter password

Select a plan:

Limited	Unlimited
<ul style="list-style-type: none"> • Watch one movie at a time • 2 movies per month • Monthly fee - \$10 	<ul style="list-style-type: none"> • Watch one movie at a time • Unlimited movies per month • Monthly fee - \$20

Street: Enter street address

City: Enter city name

State: Enter state

Zipcode: Enter zip code


Telephone: Enter contact number


Credit Card: Enter Credit Card number

By clicking sign up, you are agreeing to our terms of service.

[Sign Up](#)

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.


[Browse Catalog](#)



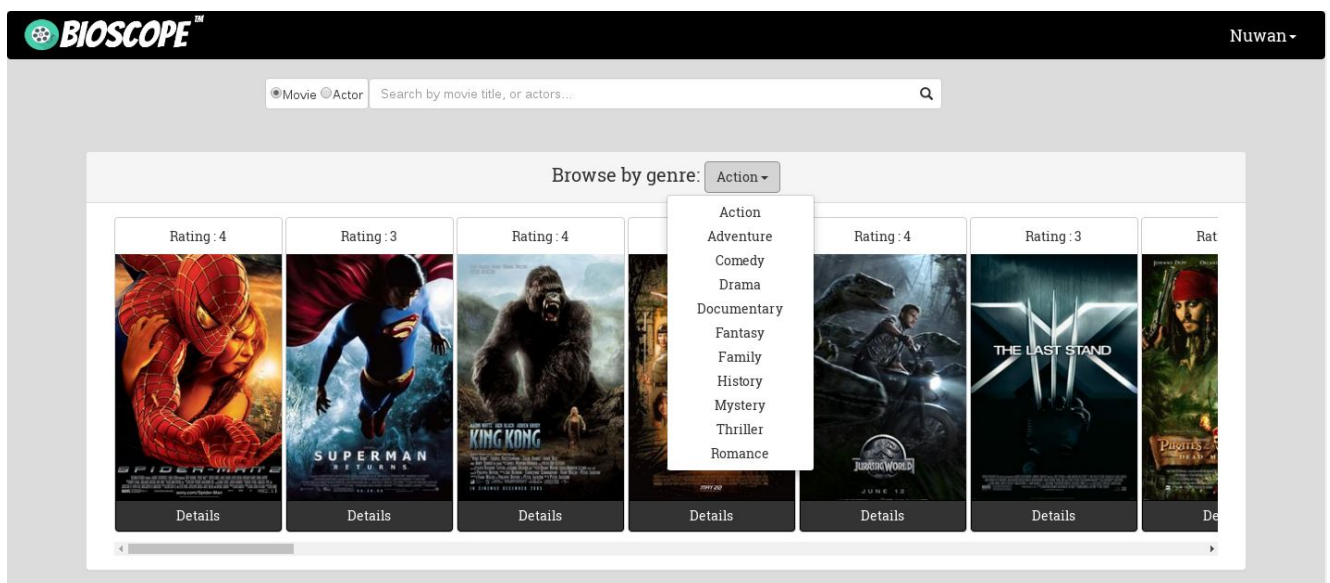
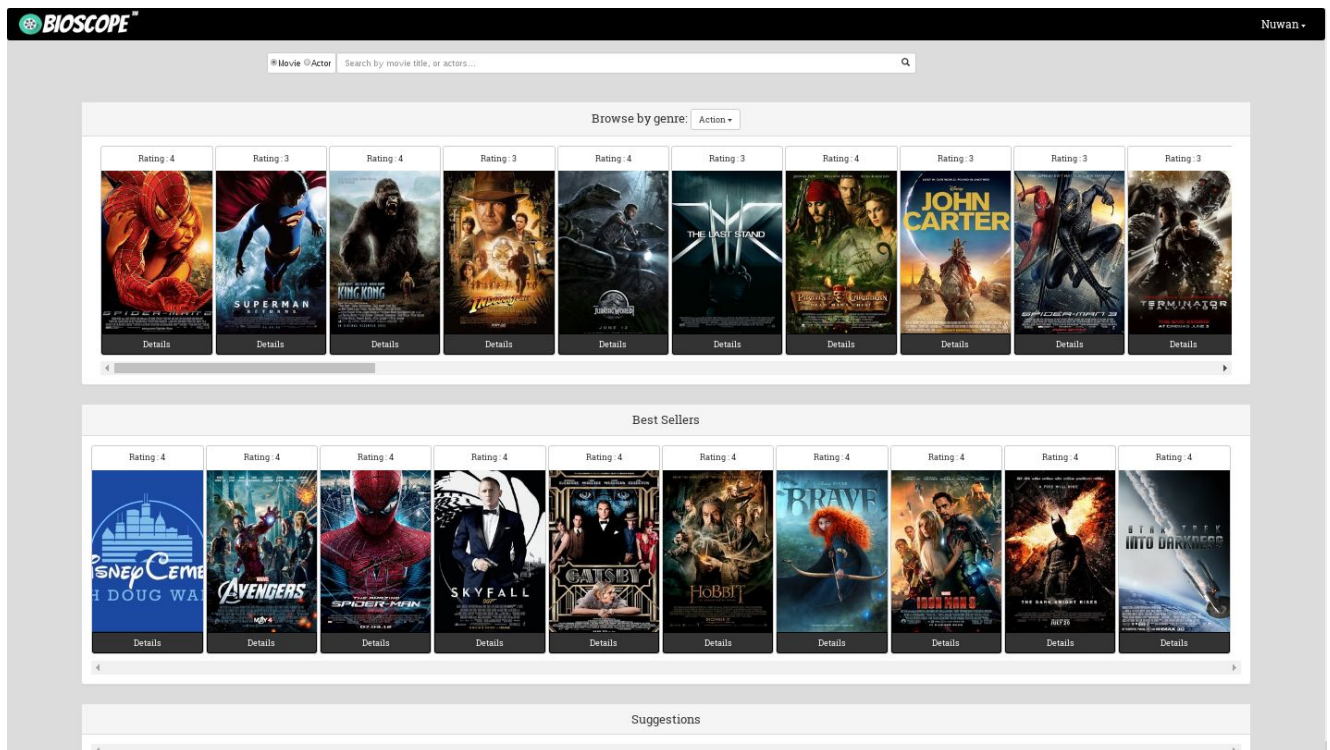
Please login below to continue

Email: Enter a valid email address

Password: Enter password

[Sign In](#)

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.

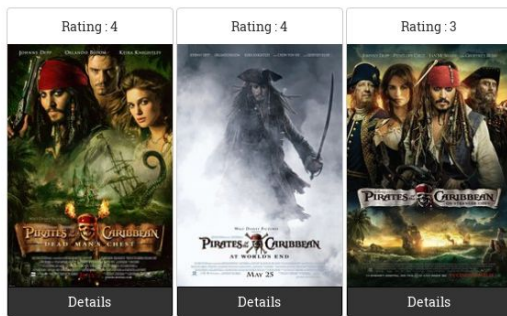


The top navigation bar show the name of the logged in user with a dropdown accessible to view the **Queue**, **Settings**, and to **logout**.

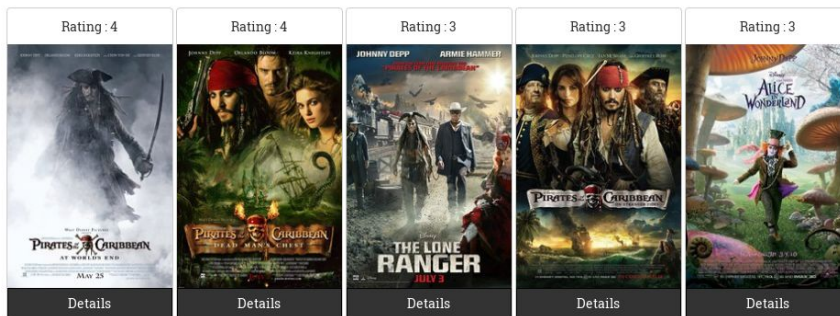


The home page also lets the user search movies, and movies starring certain actors. Multiple actors can be searched by separating the names with a comma, eg. **Depp, Hanks**

Movie results for Pirates

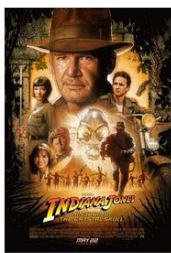


Movie results for Depp



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.

Movie details



Movie Title : Indiana Jones and the Kingdom of the Crystal Skull

Director : Steven Spielberg

Actors :	Harrison Ford Ray Winstone Jim Broadbent
----------	--


Genre : Action|Adventure|Fantasy


Duration : 122

Description : Famed archaeologist/adventurer Dr. Henry "Indiana" Jones is called back into action when he becomes entangled in a Soviet plot to uncover the secret behind mysterious artifacts known as the Crystal Skulls.

Rating: 3

Add to Queue



Nuwan



Already in Queue


Movie details	
Movie Title :	Indiana Jones and the Kingdom of the Crystal Skull
Director :	Steven Spielberg
Actors :	Harrison Ford Ray Winstone Jim Broadbent
Genre :	Action Adventure Fantasy
Duration :	122
Description :	Famed archaeologist/adventurer Dr. Henry "Indiana" Jones is called back into action when he becomes entangled in a Soviet plot to uncover the secret behind mysterious artifacts known as the Crystal Skulls.
Rating :	3

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.


Nuwan

Movie Queue


Orders



Return Date 12/06/2017


Return Movie

Queue




Remove from Queue


Rent




Remove from Queue




Remove from Queue




Remove from Queue




Remove from Queue



Remove from Queue



Remove from Queue



Remove from Queue

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.



Change Settings

First Name:

Last Name:

Password:

Select a plan:

<input type="radio"/> Limited	<input checked="" type="radio"/> Unlimited
<ul style="list-style-type: none">• Watch one movie at a time• 2 movies per month• Monthly fee - \$10	<ul style="list-style-type: none">• Watch one movie at a time• Unlimited movies per month• Monthly fee - \$20

Appendix

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