

Capstone Project Definition

Netflix Clone

Description

The capstone project will be a netflix clone, which will be divided between administration and user section. The admin should be able to manage the movies inventory in a catalog. The user should be able to view the movies catalog, view the movie detailed info, and stream the movie.

Pages

1. Admin
 - a. The admin should be able to access the admin page in the “/admin” route, in order to see the catalog of movies saved in the database.
 - b. The admin should be able to save new movies.
 - c. The admin should be able to edit existing movies.
 - d. The admin should be able to delete existing movies.
 - e. The movie must have at least the following data:
 - i. Name
 - ii. Synopsis
 - iii. Cover Image
 - iv. Genre (Horror, action, adventure, etc.)
 - v. Movie URL
 - vi. Release date
2. User movie catalog
 - a. The user should be able to access the movie catalog in the “/” route, in order to see the catalog of movies available for watching.
 - b. The user movie catalog should show a list of movies, showing their name, cover image, genre and release date.
 - c. The user should be able to click a movie from the catalog, and that should take the user to the movie details screen.
 - d. The user should be able to save a movie to favorites by clicking on an add to favorites button.
 - e. The user should be able to filter the movies by genre.
 - f. The user should be able to sort by release date or name by ascending or descending order.
3. Movie details
 - a. The user should be able to see the movie name, synopsis, cover image, genre and release date.

- b. The user should be able to see the movie when clicking a button. It could be any video, from a video url from any site, for example, youtube.
 - c. The user should be able to save a movie to favorites by clicking on an add to favorites button.
- 4. Favorites
 - a. All movies added to favorites via the other pages should be visible on this screen.
 - b. This page should have a similar functionality to the movie catalog screen, except for adding to favorites, instead, there should be a button to remove from favorites.

Tests

- 1. Frontend
 - a. Should have at least 50% code coverage in the project with component testing (RTL & Jest). This requirement is optional but is a bonus.
 - b. Should add an E2E test for adding a movie to favorites and watching it from the favorites page.
- 2. Backend
 - a. Should have at least 50% code coverage
 - b. Should have at least 50% of the endpoints covered by integration tests.
 - c. Should have at least one load test for one endpoint (Optional)

Deployment

- 1. Both projects must be deployed on their corresponding platform and connect to each other.
- 2. Build and test automation is not required, but is a bonus.
- 3. Deployment automation is required for the backend.

Submission

Both URLs to repositories and URLs to the deployed working application should be sent in an email to talent@itj.com. The title for the email should be "Fullstack 2 Capstone Project - <Your Full Name>". Please use your full name as used in the zoom sessions.

The date limit to send the project will be December 23th 2022.

Additional Notes

- Design and implement the corresponding REST API in accordance with the requirements.
- Using MongoDB for the DB is recommended.
- Follow project structure good practices as seen in the bootcamp.

- CSS and component libraries/frameworks are allowed, as well as libraries/frameworks for data validation.
- Projects with at least 60% completion can be considered for review, and the approval is subject to the quality of the project, and good practices.
- HAVE FUN! Learning new skills should be a fun and interesting experience! :D