

Full Stack Developer Internship Assignment: Movie Explorer

This assignment is designed to assess your full-stack development skills by building a web application called "Movie Explorer." The application will allow users to search for movies by title or genre and display relevant information.

Features:

- **Search Functionality:** Users can search for movies by title or genre.
- **Movie Details:** When a user searches for a movie, the application should display basic information like title, year, synopsis, and poster image.
- **API Integration:** The application should utilize an external movie database API (e.g., OMDb API, TMDb API) to retrieve movie information.
- **Data Manipulation:** Extract relevant movie data from the API response and format it for display in the user interface.
- **User Interface:** Develop a user-friendly interface with search input fields, movie listings, and detailed information pages. (While a basic design is sufficient, feel free to showcase your UI/UX skills if you have them.)

Tech Stack:

- You are free to choose your preferred front-end and back-end technologies (e.g., React/Node.js, HTML/CSS/Python with Flask, etc.).
- Clearly document the technologies used in your submission.

Deliverables:

- A functional web application demonstrating the required features.
- Code repository containing your front-end and back-end code (e.g., GitHub repository).
- A short README file explaining your development process, technologies used, and any assumptions made.

Evaluation Criteria:

We will be evaluating your submission based on the following factors:

- **Functionality:** Completeness and correctness of the implemented features.
- **Code Quality:** Clean, well-structured, and documented code.
- **API Integration:** Effective use of the chosen API to retrieve and process movie data.
- **Data Manipulation:** Ability to extract and format relevant data from the API response.
- **User Interface:** Basic functionality and usability of the user interface (bonus points for a well-designed and responsive UI).

Bonus Points:

- Implement additional features like genre filtering, user ratings, or movie trailers (if available through the API).
- Deploy your application to a free hosting platform for online demonstration.

By completing this assignment, you'll have the opportunity to showcase your full-stack development skills and demonstrate your ability to work independently on a web application project.