

## Project Summary:

PopcornPicks is a personalized algorithm dedicated to movie and TV show recommendations. It allows users to discover content based on their preferences. Users are given the ability to create accounts, personalize their profiles, and receive recommendations based on their tastes and recently watched, highly-rated movies. The platform aims to use an IMDB API or something similar to it to provide a seamless way of exploring what is trending.

## Completed Tasks & Functionalities:

Feature	Test Case	Expected Result
User Registration & Login	Sign up with an email and password	User account is created and stored
Search Functionality	Search for "John Wick"	"John Wick" appears in search results
Movie Details Page	Click on a movie	Movie title, rating, and description load correctly
API Response Check	Call <code>/api/movies/</code> endpoint	Returns a JSON list of movies
Homepage	Load home page	Trending movies from API appear
Adding a Movie to Favorites	Click "Add to Favorites" on a movie	Movie appears in user's favorite list
Navigation test	Click between Home, Search, and Profile	Pages switch correctly
Error Handling for Search Bar	Search for a non-existent movie	Returns "No Results Found"

## Contributions of Each Group Member:

Esme Lockwood (Front-End Engineer): Create "index.html" with registration, login, and personalization functionalities such as adding "Favorites". Basic necessities such as Search Bar and Error Handling were also implemented, allowing for the foundations of the project to be set.

Adam Rodriguez (API Researcher & Developer): Research and implement the necessary API for the project. In this case, the OMDb API was chosen. Movies from the API's database now show up when searched in the Search Bar.

Harold Haynes Jr. (Back-End Engineer): Responsible for creation of a database to be used by the website. Designed and implemented the database schema to store user accounts, preferences, and search history. Developed server-side logic to handle authentication, user data management, and interaction with the OMDb API.

### **Relevant Code Files & Link to GitHub:**

- <https://github.com/haroldhaynesjr/CSIT415>

### **Planned Work for Milestone 2:**

- Modernization of website home page to appeal to user's standards.
- Decide on a recommendation approach for the AI algorithm (e.g. content-based filtering, collaborative filtering, etc.).
- Start collecting user data.
- Secure user authentication (e.g. encryption).