# CPSC 6175 – Web Engineering Technology

## Project Proposal for Group 2

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**API Selected:** OMDb API – The Open Movie Database

**API Interaction:** A user will interact with the API through a web interface created with React. The web interface will accept search terms from the user and submit them to the back end of the application, providing the user the ability to filter the results as needed. The back end of the application will forward queries onto the OMDb API and cache the last 100 results.

**Back End Dependencies:**

Junit, Mockito, Spring Boot, Thymeleaf

**Client-Side Front End Dependencies:**

Axios, React, React-Dom, React-Router-Dom, Zustand, Bootstrap, React-Bootstrap

**Front End Build Dependencies:**

Babel/Core, Babel/Plugin-Proposal-Class-Properties, Babel/Preset-Env, Babel/Preset-React, Babel-Loader, Url-Loader, Webpack, Webpack-CLI, Webpack-Dev-Server

**Project Timeline:**

4 SprintsSprint 1: 2024-11-04 – 2024-11-10

Sprint 3: 2024-11-18 – 2024-11-24Sprint 2: 2024-11-11 – 2024-11-17

Sprint 4: 2024-11-25 – 2024-12-01

Sprint 1 will consist of project design, project setup, initial back-end work to enable work on the front end for Sprint 2. The primary goal of Sprint 1 is to enable work in future sprints to continue.

Sprint 2 will focus on testing the back-end and initial work on the front-end. Testing of the back-end should be complete at the end of the sprint. Front-end work will consist of implementing the pages, containers, and components to be used within the project with a focus on the components to ensure they are available for future sprints.

Sprint 3 will focus on testing the various React components as well as using them to further the implementation of the containers and pages. The goal of Sprint 3 is to enable full end-to-end testing for Sprint 4.

Sprint 4 will focus on end-to-end testing and correcting any bugs found during testing. The goal of Sprint 4 is to ensure that a polished, fully-functional application is delivered that meets the initial requirements set.

All sprints will incorporate any feedback received.

**Mock Ups:**

The mock ups for this project are located in Figma at this url: <https://www.figma.com/design/uCHTJEnGOGQiwiBWUTz4zW/Group-2-Project?node-id=0-1&node-type=canvas&t=UkhrbW7OYnJvg1ep-0>