# Project Documentation

## API Chosen

For this project, I chose to use the Open Movie Database (OMDb) API. The OMDb API provides access to a large database of movie information, including details such as title, release year, rating, cast, and more. It offers a simple and straightforward way to retrieve movie data, making it suitable for our IMDb Movie Search web service.

- API Name: Open Movie Database (OMDb) API

- Documentation: [OMDb API Documentation](https://www.omdbapi.com/)

## Functionality

The IMDb Movie Search web service allows users to search for movie information by providing the movie name and their IMDb API key. The web service then sends a request to the OMDb API, retrieves the relevant movie details, and displays them on a user-friendly interface. The key functionalities include:

## 1. Movie Search Form:

- Users can enter the name of the movie they want to search for.

- Users are required to provide their IMDb API key for authentication.

## 2. API Request:

- The web service uses the entered movie name and IMDb API key to make a request to the OMDb API.

## 3. Display Movie Information:

- The retrieved movie information is displayed in a clear and organized format.

- The design includes a card layout for a visually appealing presentation.

## 4. Styling:

- The web service has been styled using Bootstrap to enhance the visual appeal and provide a responsive design.

# Challenges Faced

## 1. Python Installation:

- Setting up Python on the system posed an initial challenge. Resolving dependencies and configuring the environment took some time.

## 2. API Integration:

- Connecting to the OMDb API and correctly handling the API key for authentication required careful attention to detail. Reading and understanding the API documentation was crucial.

## 3. Styling and Design:

- Crafting an aesthetically pleasing and user-friendly interface involved experimenting with styles, which presented its own set of challenges.

# Deployment Process

The deployment process involved hosting the HTML and JavaScript files on a web server. For simplicity, a local server was used during the development phase. However, for a production environment, the files can be hosted on a RENDER.

**Links**  
The hosted link to search the movie

<https://final-ih2v.onrender.com/>

The key to search

Key: e31f1d42

Github Link

https://github.com/Sujalstha31/project

A screenshot of a application form

Description automatically generated

A screenshot of a computer

Description automatically generated

Screenshot of Home Screen

A screenshot of a computer

Description automatically generated

Screenshot after searching the movie.

A screen shot of a movie

Description automatically generated