



Department of Computer Science & Engineering

UE17CS355 - Web Tech II Laboratory

# Project Evaluation

Project Title : Movie Search  
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## Project Description

“**Hookd**” is a movie search engine powered by TMDb api which can be used to search different movies, and the movie title and corresponding movie description is shown as the results of the search. There is an option to favourite the movies that are shown as the search results and option to view detailed information of the movie which takes you to the The movie DB page of the corresponding movie.

The search engine also has the intelligent functionality of recommending movies to the user based on other movies which he/she has set as favourite





## Technologies Used

### Web frameworks:

React for front-end

Flask for back-end

### Languages Used:

React uses JSX language and flask applications use python

JSX is an extension to JavaScript so that Javascript and HTML code can coexist

### Libraries Used:

In flask application(backend) SQLAlchemy is used to query/add data to the database

In react application(frontend) jquery is used to make asynchronous calls to the TMDB api



## Techniques Implemented

### AJAX Patterns :

**Submission throttling:** Late send submission throttling has been used, the search request to the movieDB api goes only after the user has stopped typing in the search box and waited for atleast 3 seconds(this interval can be changed as per liking). This is done so as to not burden the movieDB website with requests after typing each letter in search box.

**Periodic refresh:** The react components showing the movies that have been set as favourite is refreshed periodically to check for changes, so is the react components showing the search results





## Intelligent Functionality

Intelligent functionality used is the **recommendation system**

The recommendation system recommends movies to the user based on other movies which he/she has set as favourite.

The 3 most popular movies(at the time of using the webpage) from the genre which is the favourite of the user(for example if the user has set 5 movies as favourites and 3 of them are from the action genre, action is deemed to be the favourite genre of the user) is recommended to the user as other movies that he/she might like





Thank You

