

Movie record Website

Emerging Technologies & Frameworks- Assignment 2



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**Table of Contents**

[**Introduction** 2](#_Toc119137149)

[**Functions Used** 3](#_Toc119137150)

[1. JSON array access 3](#_Toc119137151)

[2. Search and Display Movies 3](#_Toc119137152)

[3. Display all Movies 4](#_Toc119137153)

# **Introduction**

My project is to develop a web-based Movie Record Management System Including Front-End with (Html+ Bootstrap), jQuery, Ajax to fetch data from the server and JSON for communication. With these features I’m going to include a search bar withing the front end to search for movies with any key word regarding to the movie database. Also, I inserted a separate favorite movie tab.

# **Functions Used**

## JSON array access

This below function is used to access the JSON array into the website.

const MOVIES\_BACKEND\_URL = "http://localhost:3000/movies";

1. Search and Display Movies

This function gives you the access to search the movies you like with any key word regarding the movies from the backend and displays them on all movies page.

async function getMoviesFromBackend(query) {

    if (!loadFavourites) {

        try {

            let url = 'http://localhost:3000/movies' + (query ? ('?q=' + query) : '');

            let res = await fetch(url);

            moviesList = await res.json();

        } catch (error) {

            console.log(error);

            $('#errorMessage').text("Couldn't load JSON!");

        }

    }

    displayMoviesToHtml(moviesList);

}

## Display all Movies

This function is the key to every movie interface. It shows only the selected Categories on each movie.

async function displayMoviesToHtml(moviesList) {

    let movies = '';

    let url = 'http://localhost:3000/favourites/';

    let res = await fetch(url);

    favMoviesList = await res.json();

    favMovieIds = favMoviesList.map(movie => movie.id);

    $.each(moviesList, function(i, movie) {

        movies += '<div class="card movie\_card" id=' + movie.id + '>' +

            '<img src="' + movie.posterImageUrl + '" class="card-img-top" alt="' + movie.title + '">' +

            '<div class="card-body">' +

            '<i class="fa fa-heart fav\_button' + (favMovieIds.includes('' + movie.id) ? ' favourite' : '') + '" data-toggle="tooltip" data-placement="bottom" title="Favourite"></i>' +

            '<h5 class="card-title">' + movie.title + '</h5>' +

            '<p class="card-text">' + movie.actors + '</p>' +

            '<span class="movie\_info"><i class="fa fa-user"></i> ' + movie.director + '</span>' +

            '<span class="movie\_info float-right"><i class="fa fa-star"></i> ' + movie.rating + '</span></div> </div>';

    });

1. Switching Pages

I connected all movies page and the favorite movies page using this as a hyperlink

<a href="favourites.html" class="nav-item nav-link">Favourite Movies</a>

1. Bootstrap and jQuery

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css" integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crossorigin="anonymous" />

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

<script src="https://code.jquery.com/jquery-3.4.1.min.js" crossorigin="anonymous">