

Course : CJV805 & Database Connectivity using JAVA	Digital Video Store Web Application 1 of 2	Contribution: 20%(each)- 40% of course
Instructor: Mehrnaz Zhian	Date Given: June 19, 2025	

**Notes for the Student:** This Project is designed to give you practical experience in building Front-End applications with React.js that consumes data from a RESTful API

**Background:** You will need to have access to a code editor. You will also need a thorough understanding of Component Based Design, state, props, context API, fetch, React.js

## Assignment Submission Requirements

- A link to your hosted application (You have to research this component)
- Your source code must be zipped and uploaded to Blackboard
- A link to your remote repo in Github , if you have any

## Assignment Regulations

- This assignment must be done individually.
- An in-person demonstration of this project is required. The data and time of this will be announced.
- Create a video demonstrating your project → attach into the zip file. Failure to demonstrate your project would result in 0 marks
- **YOU ARE NOT ALLOWED TO USE MY CSS FROM THE RESORT WEBSITE EXERCISE.**
- You are allowed to use any CSS Framework and/or CSS library that you desire.
- Please review Seneca's policies on Academic Integrity, specifically
- <https://www.senecacollege.ca/about/policies/academic-integrity-policy.html>

*Thus, ensure that your code or any part of it is not duplicated by another student(s). This will result in a percentage of zero (0%) assigned to all parties involved.*

## Technical Requirements

- Your views/pages **MUST** be created with **REACTJS**
- Your fake REST API "back-end" must be created using **json-server**  
<https://www.npmjs.com/package/json-server>
- Your website **MUST** be responsive. Thus, it must look good on a number of different devices, specifically, smartphones, tablets, and desktops.

# Detailed App Specification

You have been contracted as a React developer to develop a pseudo digital video store, similarly to [Netflix](#), [Hulu](#), and [Vudu](#).

While you are not required to make your website look exactly like Vudu or any of the above, you can use them for inspiration to guide the look and feel and aesthetics of your website. Ensure that the overall website is polished.

## Application Architecture

Your application **MUST** be built as a Single Page Application using React.js and broken up into a number of pertinent components.

## Requirements Specification

### Home Page

You are required to build a **well designed** home page that consists of the following sections:

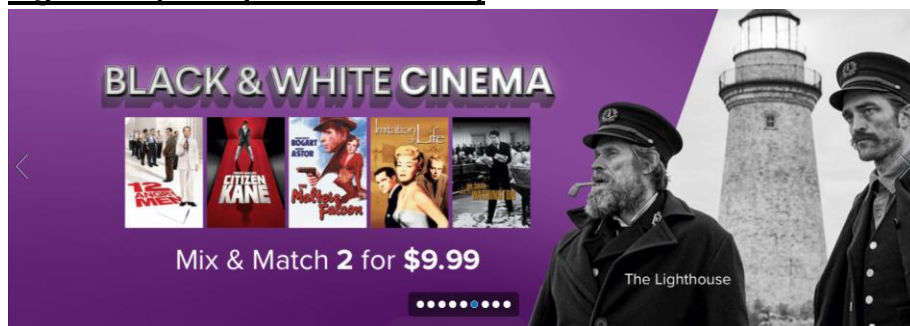
- **Header** - The header **MUST** contain the logo for your website and could contain the navigation bar and any other content you deem necessary.
- **A Navigation bar** - The navigation bar can be within the header or defined as an entirely new area. It **MUST** have links that navigate visitors to a sign up page and the login page. Please note, **instead of creating a separate page for the sign up page and the login page, you can render it as modal pop-up boxes**(this is your choice).

**Figure 1.1(Example Header/Navigation Bar)**



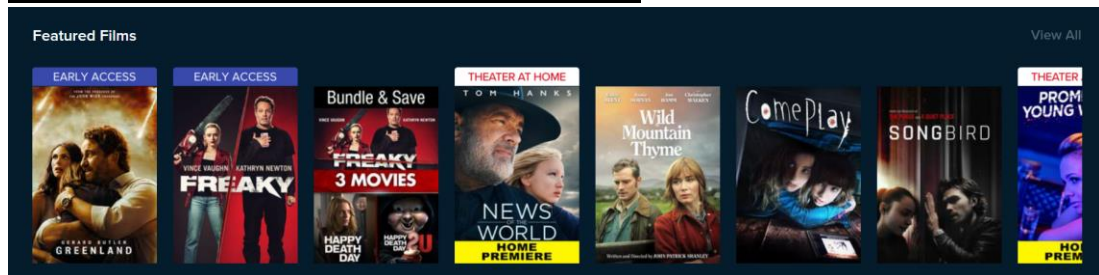
- **Hero Section** - This section must display banners and images highlighting the most demanded movies and tv shows of 2021. This should be implemented as a slide show

**Figure 1.2 (Example Hero Section)**



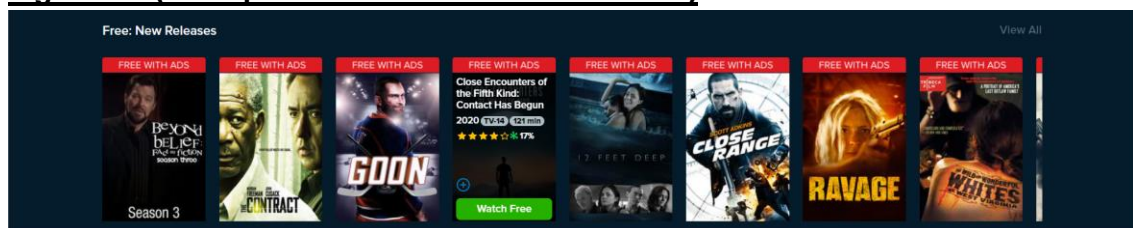
- **Featured Movies Category Section** - This section must display at least four (4 -6) Featured Movies of your choice, as shown in figure 1.3.

**Figure 1.3 (Example Featured Movie Section )**



- **Featured TV Shows Section** - This section must display at least four (4 -6) Featured TV Shows of your choice, as shown in figure 1.3.

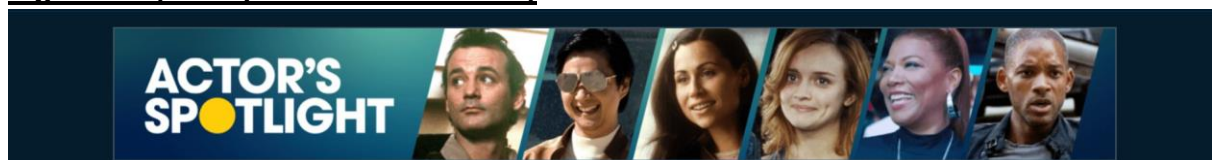
**Figure 1.4 (Example Featured TV Shows Section )**



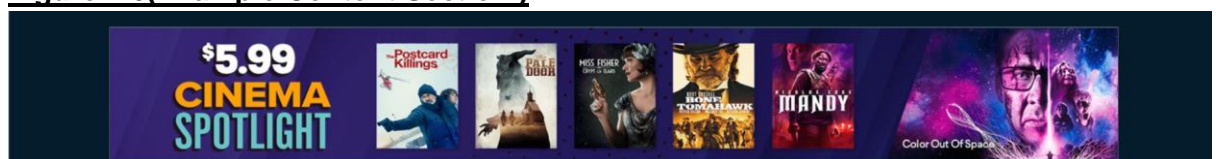
Please note, the data for the featured movies and tv shows section must be pulled from a “Fake API”. You are to represent the fake API using json-server in your db.json file.

- **Content Section(s)** - These sections should contain static data and **could** use a combination of text, headings and images, with the purpose of highlighting the company’s services and/or exciting details about hollywood. Figure 1.5 & 1.6 are some examples:

**Figure 1.5 (Example Content Section )**

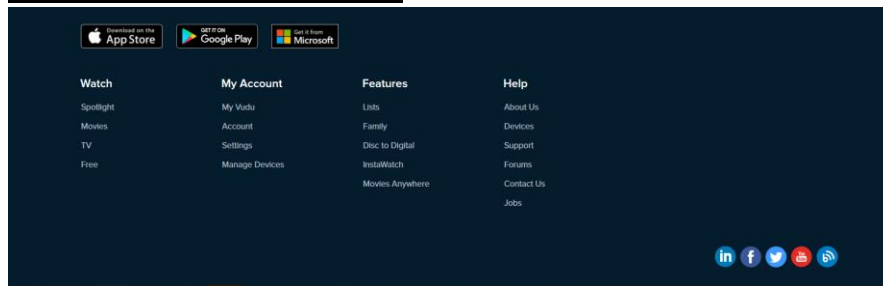


**Figure 1.6(Example Content Section )**



- **Footer** - This section **must** include footer menu items, social media links, and any other information you deem necessary.

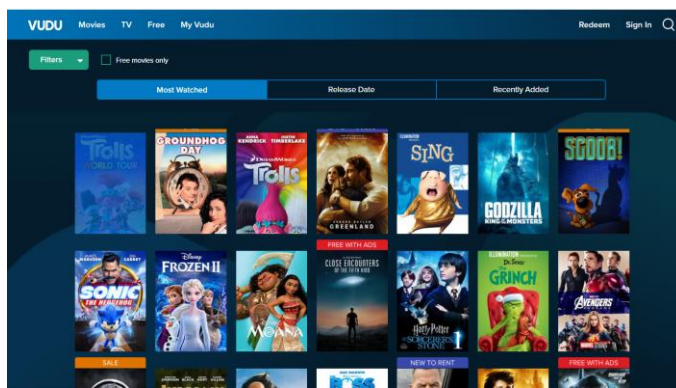
**Figure 1.7 (Example Footer )**



## Movies & TV Show Listing page

You are required to build a **well designed** movie and tv show listing page. This page must list, at least, **12 sample movies and tv shows in a grid**. The grid must contain **between 4 to 6 columns**.

**Figure 1.8 (Example Movie Listing Page)**



This page should also pull **ALL** the movies and tv shows from the “fake API”, as above-mentioned. Note, this page should only display the poster and title of each movie/tv show and it should be clickable.

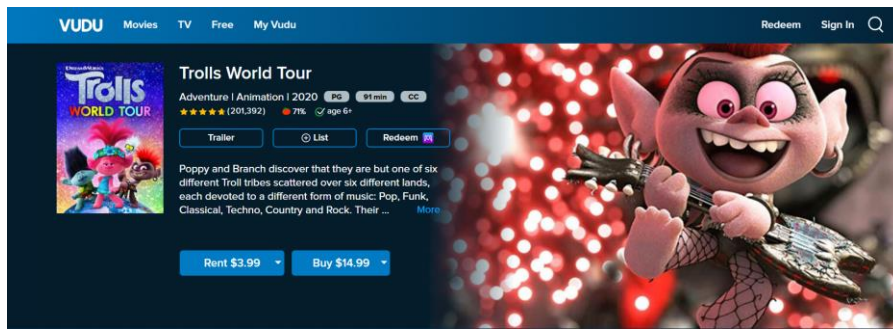
When a user clicks on a respective poster, the user is navigated to the **Movie & TV Show Details page** for the clicked movie or tv show. For example, if the user clicks on the Frozen II poster, then the user must be navigated to the Movie Details page of Frozen II.

## Movies & TV Details Page

You are required to build a **well designed** movie and tv show details page. From the listing page, when a user clicks on a particular movie or tv show, they should be navigated to this page.

This page should list the title of the movie/tv show, synopsis, small poster, large poster, the price to rent the movie or tv show and the price to purchase it outright.

**Figure 1.9 (Example Movie Details Page )**



## Registration “Page” (No Database Functionality)

You are required to build a **well designed** user registration form as shown in **Figure 2.0** . This can be implemented as an entirely new page or as a pop-up modal. In the event you implement this as a new page then you must ensure that the page maintains consistency regarding its structure, header, nav, footer,etc as the home page.

**Figure 2.0 (Example Registration Form )**

A screenshot of the Vudu website's registration form. The form is centered on a dark blue background. At the top, there is a promotional banner for a 'New user sign up offer' with a 'LIMITED TIME OFFER' badge. The form itself has a white background and contains the following elements: a 'Create a New Account' heading, two input fields for 'First name' and 'Last name', an 'Email' input field, a 'Password' input field, a checkbox for 'I certify that I am at least 18 years old and that I agree to the Terms and Policies and Privacy Policy', a blue 'Sign Up' button, and a section for 'Or Sign Up with' featuring 'Walmart' and 'Facebook' buttons.

## Login “Page” (No Database Functionality)

You are required to build a **well designed** login form as shown in **Figure 2.1** . This can be implemented as an entirely new page or as a pop-up modal. In the event you implement this as a new page then you must ensure that the page maintains consistency regarding its structure, header, nav, footer,etc as the home page.

**Figure 2.1 (Example Login Form )**

## Rubric

Criteria	Not Implemented	Fully Implemented
<b>Home Page</b> <ul style="list-style-type: none"> <li>Header</li> <li>Navigation</li> <li>Hero</li> <li>Featured Movies Section</li> <li>Featured TV Shows Section</li> <li>Content Section</li> <li>Footer</li> </ul>	0 0 0 0 0 0 0	2 2 2 6 6 6 2
<b>Movies &amp; TV Show Listing Page</b> <ul style="list-style-type: none"> <li>Movie &amp; TV Shows</li> <li>Each movie/tv show displays the required data on the page as per the requirements.</li> </ul>	0 0	6 2
<b>Movie &amp; TV Show Details Page</b>		

<ul style="list-style-type: none"> <li>• The ID of the clicked movie is passed in the URL</li> </ul>	0	2
<ul style="list-style-type: none"> <li>• The page displays all the details specified in the document</li> </ul>	0	2
<ul style="list-style-type: none"> <li>• The page shows the information of the movie that was clicked from the listing page</li> </ul>	0	6
Registration /Login Page or Popup		
<ul style="list-style-type: none"> <li>• Registration form</li> </ul>	0	3
<ul style="list-style-type: none"> <li>• Login form</li> </ul>	0	3
Overall look and feel		
<ul style="list-style-type: none"> <li>• Overall site is polished</li> </ul>	0	2
<ul style="list-style-type: none"> <li>• Used pleasing typography, color palettes, and imagery</li> </ul>	0	2
<ul style="list-style-type: none"> <li>• Color and layout are cohesive throughout the site</li> </ul>	0	2
<ul style="list-style-type: none"> <li>• Appropriate use of grids</li> </ul>	0	2

Total Marks : 58 marks

THE END