TASK EXERCISE 3.1

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Exercise 3.1 – Framework/Library Analysis

I.   Scenario 1: Rebuilding the Admin App

The current jQuery setup is messy and hard to manage. Using a framework like React or Angular would help organize the code into clear parts (components) and make it easier to handle updates and maintenance, especially with lots of views and forms.

Scenario 2: Handling Huge Data Tables

When you work with big tables of data, it needs to load fast and not slow down your computer. Some tools like React and Angular can help, but special tools made for big data are even better. These tools include AG Grid, TanStack Table, Handsontable, Sencha Ext JS Grid, MUI Data Grid, KendoReact Data Grid, Tabulator, Bryntum Grid, DevExtreme Data Grid, SlickGrid, Grid.js, react-data-grid, Syncfusion React Data Grid, and DataTables. They help you show and use lots of data in a fast and easy way.

Scenario 3: Design System Prototype

If you're creating a prototype for a design system, React or Vue can help you build reusable UI components that work like they would in a real app. However, if you just need a simple visual demo with little interaction, using plain JavaScript and CSS or a lightweight library would be quicker and easier.

II.   Why React for MovieMobs ?

React is an excellent choice for building the MovieMobs frontend. Its component-based structure makes it easy to break the UI into parts like movie lists, details, user profiles, and login pages. Plus, React has strong community support, will speak for me in my resume, and is perfect for creating modern single-page apps that work well with REST APIs.