

## **My Movie List — A React App with Search, Add, and Favorite Features**

### **Assignment Description:**

Create a small **React Movie List App** where users can:

1. **View a list of movies** (you can give some sample data).
2. **Search movies by name** (filtering from the existing list).
3. **Add a new movie** (form input).
4. **Mark movies as Favorite** (toggle favorite/unfavorite).
5. **Show favorite movies in a separate section.**

### **React Concepts Covered:**

- Components (functional components)
- Props
- useState Hook
- Conditional Rendering
- List Rendering with map()
- Event Handling
- Forms and Controlled Components
- Basic Styling (optional but encouraged)

### **Basic Folder/Component Structure:**

/src

  /components

    - MovieList.jsx

    - MovieCard.jsx

    - AddMovieForm.jsx

    - FavoriteList.jsx

  App.jsx

  index.js

### **Expected Features:**

- App.jsx: Main parent component that holds states and passes data as props.
- MovieList.jsx: Displays the list of all movies.
- MovieCard.jsx: Shows individual movie with a "Favorite" button.
- AddMovieForm.jsx: Form to add a new movie.
- FavoriteList.jsx: Displays favorite movies separately.

### **Bonus/Optional Features:**

- Use basic CSS for styling.
- Allow "Delete Movie" functionality.
- Add "Clear Favorite" option.
- Use localStorage to save data.

### **Assignment Deliverables:**

- Project in a GitHub Repository with proper commit messages.
- Clear README.md explaining:
  - What the project does.
  - How to run it.
  - Which React concepts they have used.