CS452\_PE02\_SeanLaBrake

<https://github.com/cityuseattle/cs452-pe-sean>

**Input**

The application accepts user input through two main interactions with the page:

* a dropdown menu
* clickable movie cards

Users have an option to select a genre from the dropdown to filter movies or click on a movie title to display the selected movie’s title. User input drives dynamic updates in the single-page React interface (React, n.d.).

**Process**

The “MovieList” component maintains a collection of movie objects containing

* Titles
* Genres
* Release years

The React hook useState controls the selected genre and movie list, processing the data to render only movies that match what genre is selected by the user. The filtering and event-handling devices demonstrate the reactive data flow typical of single-page applications (CS452 Lecture 02, 2025; Coding Ninjas, n.d.).

**Output**

The list of movie cards dynamically change depending on user interaction. The program outputs a visually styled result. Also displayed is an alert with the selected movie’s title, demonstrating the output stage of the Input-Process-Output model (Rebus Community, n.d.).

**References**

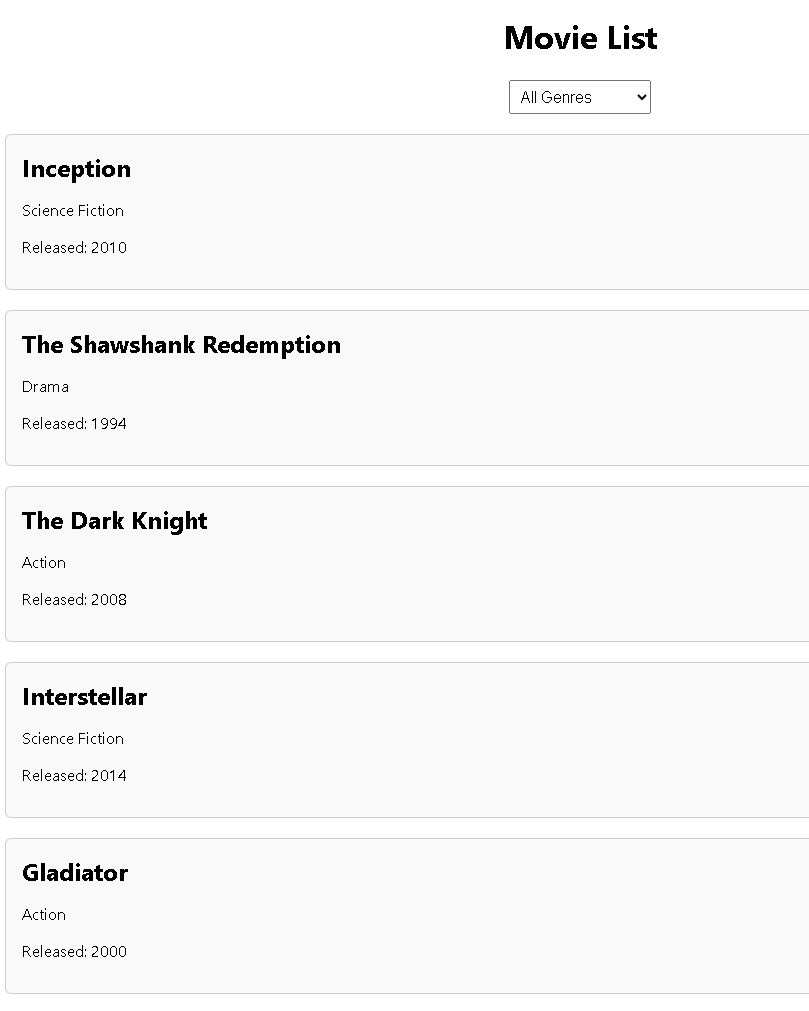
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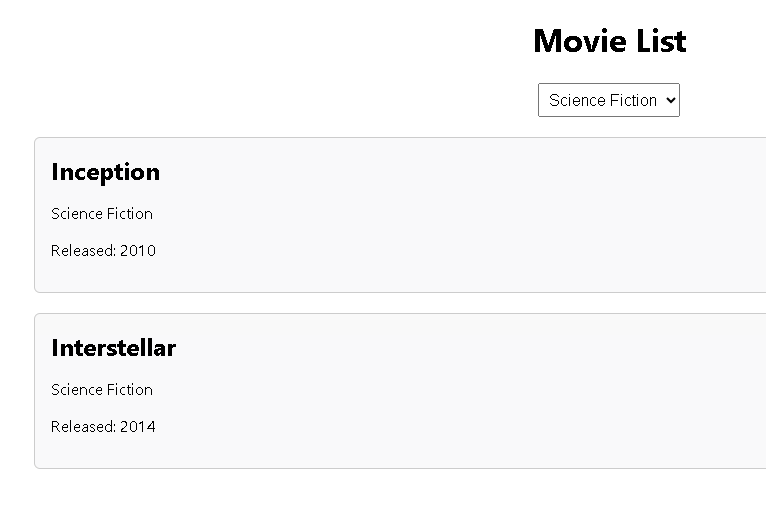
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Output Images

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