

**Title:** Movie & Show Explorer  
**Course:** IT 4403 Term Project  
**Submitted by:** Daniel Miller

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## URL to Term Project Website

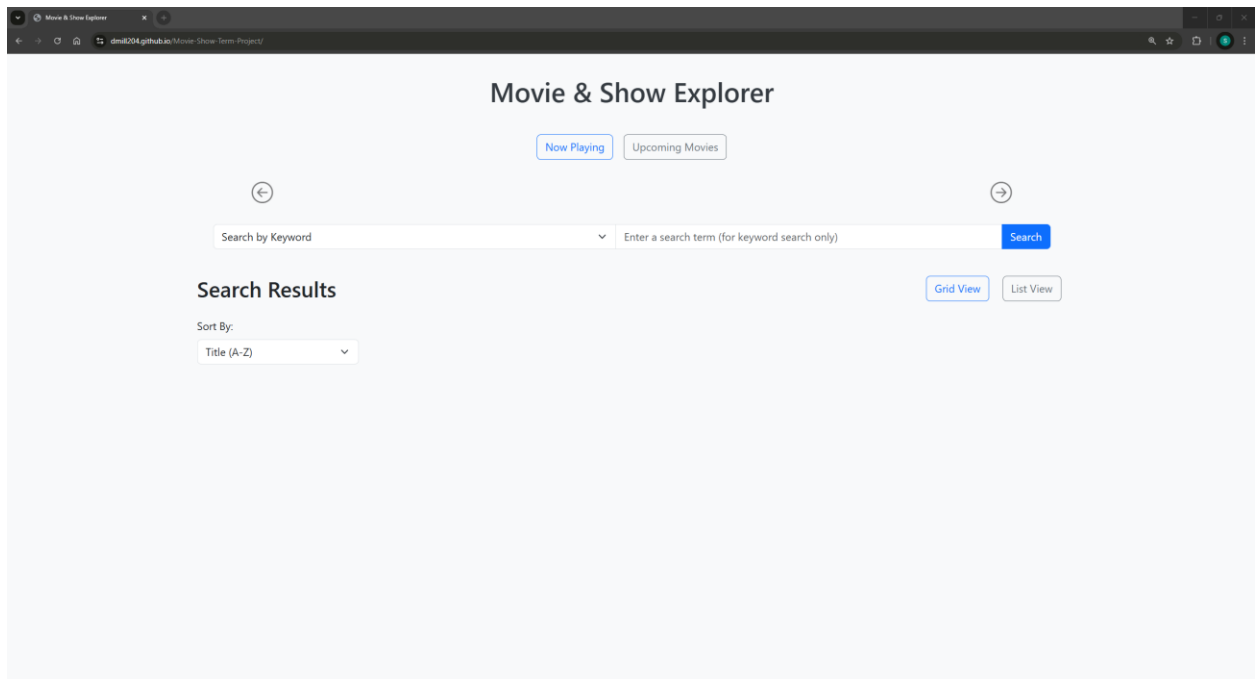
URL: <https://dmill204.github.io/Movie-Show-Term-Project/>

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## Screenshots with Explanations for Each Major Functionality

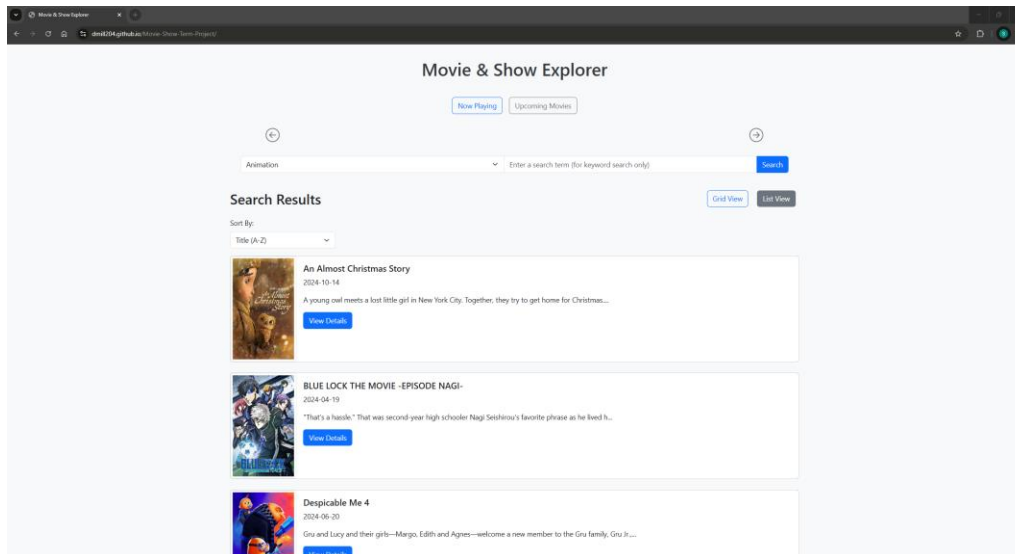
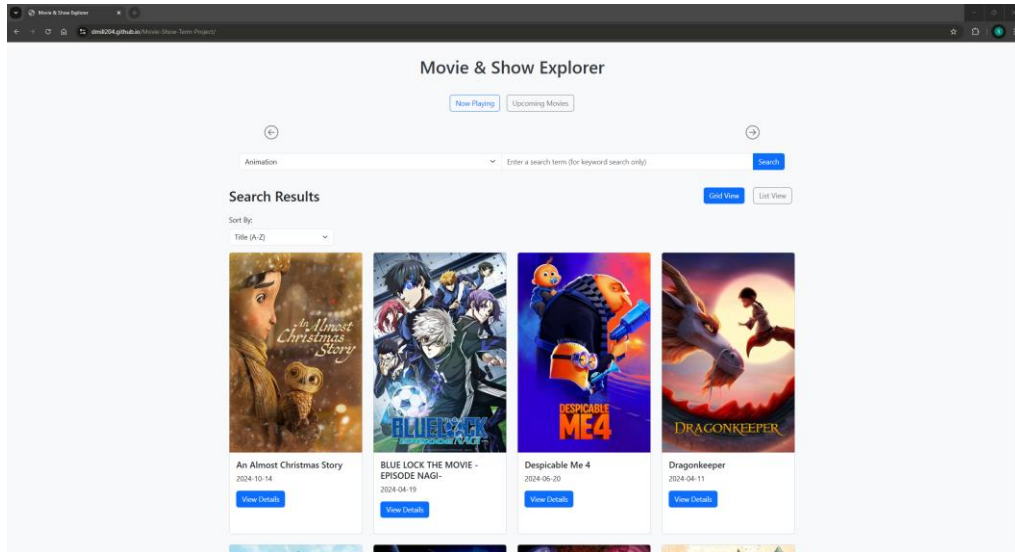
### 1. Homepage

- **Description:** The homepage displays the main interface, with buttons for "Now Playing" and "Upcoming Movies" as well as a search bar and sorting options.
- **Screenshot:**



## 2. Search Functionality

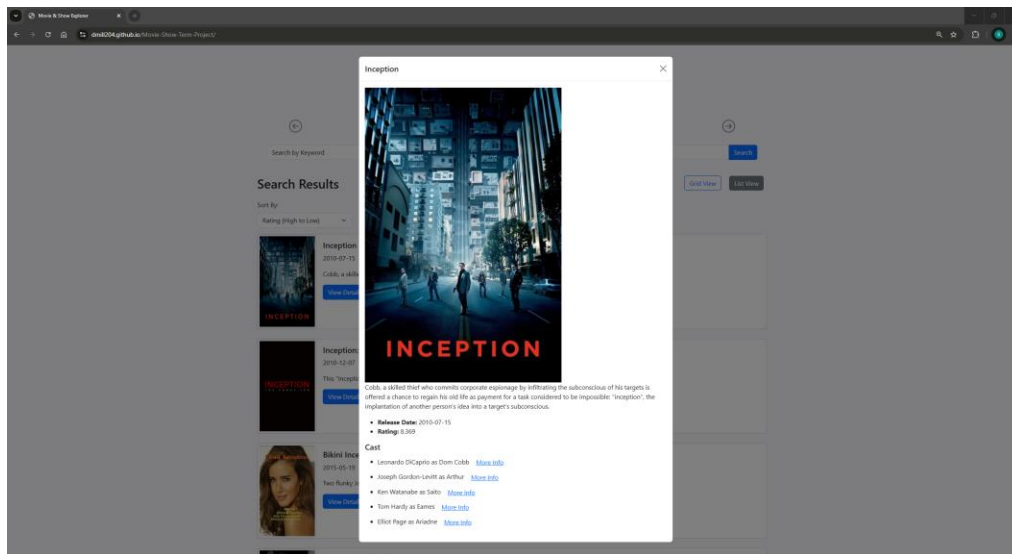
- **Description:** Users can search for movies by keyword or genre using the dropdown and input field.
- **Action:** The user selects “Animation”, clicks "Search", and can Sort By various options such as Title (A-Z). The user can toggle between Grid View and List View.
- **Screenshot:**



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### 3. "View Details" Section

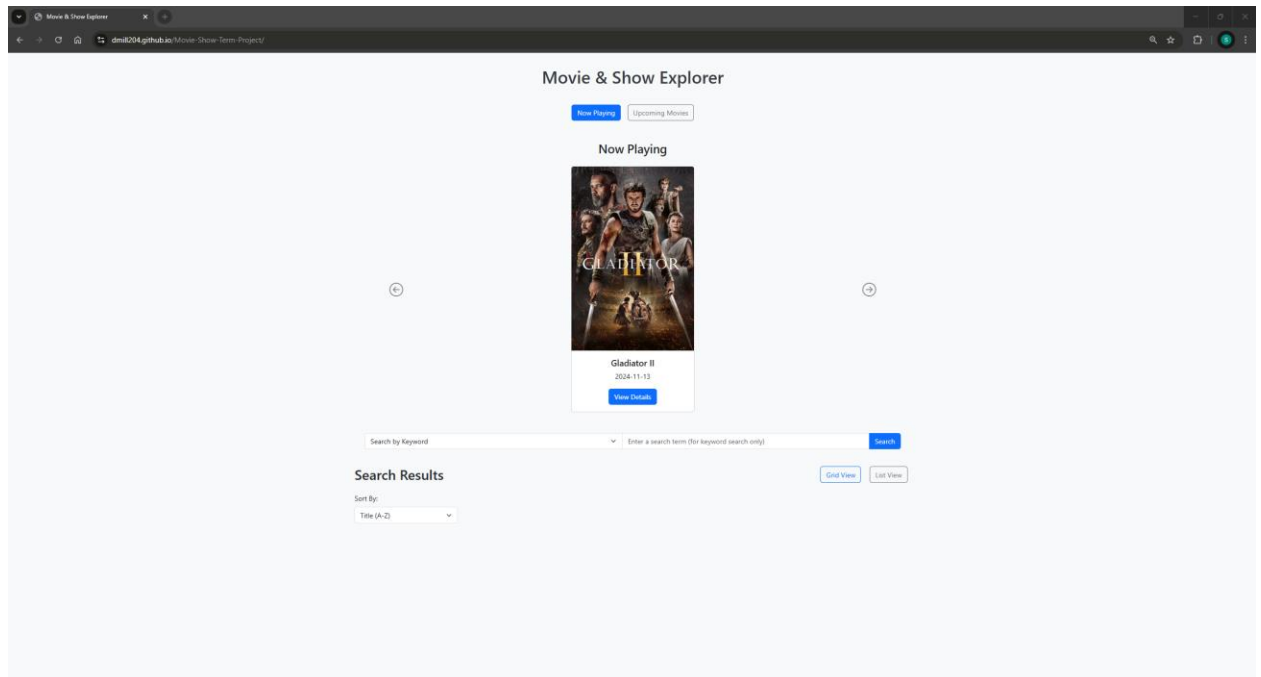
- **Description:** Clicking the "View Details" buttons for any movie/show cards within the Now Playing, Upcoming Movies, Grid View, or List View cards fetches and displays details about the movie such as: description, release date, rating, and cast.
- **Action:** The user clicks "View Details" to view details about their choice of movie.
- **Screenshot:**



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#### 4. "Now Playing" Section

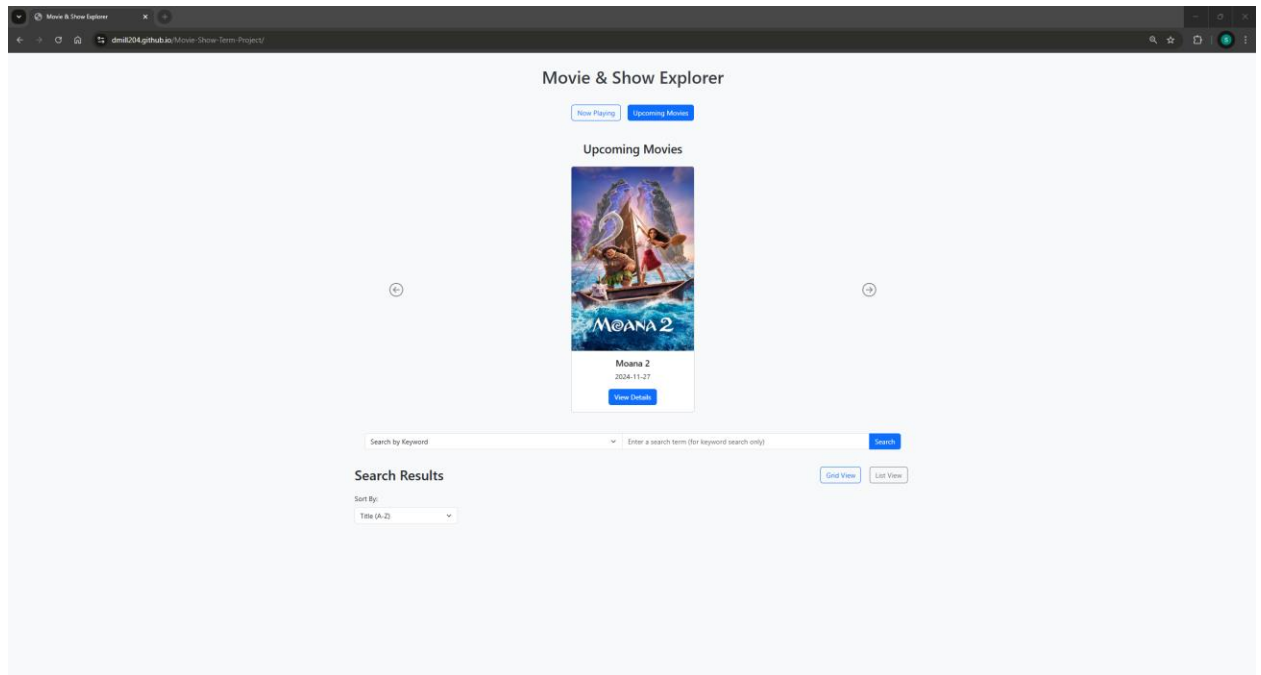
- **Description:** Clicking the "Now Playing" button fetches and displays the list of movies currently in theaters in a moving carousel format.
- **Action:** The user clicks "Now Playing" to view the current movies.
- **Screenshot:**



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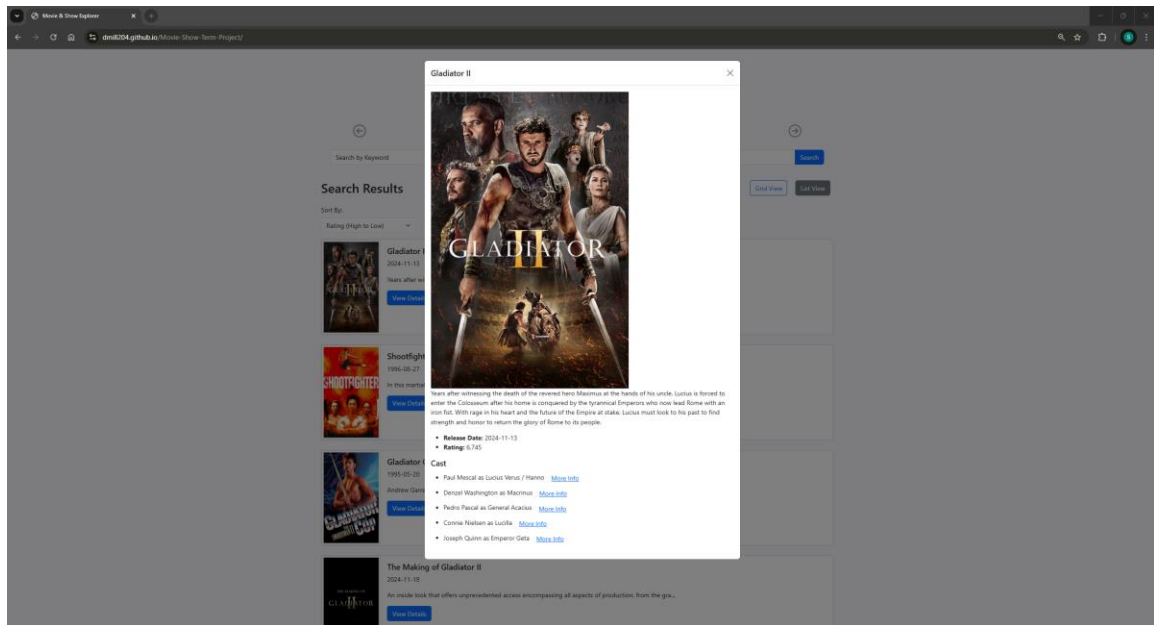
## 5. "Upcoming Movies" Section

- **Description:** Clicking the "Upcoming Movies" button fetches and displays movies that are about to be released in a moving carousel format.
- **Action:** The user clicks "Upcoming Movies" to see the list.
- **Screenshot:**



## 6. Movie Details

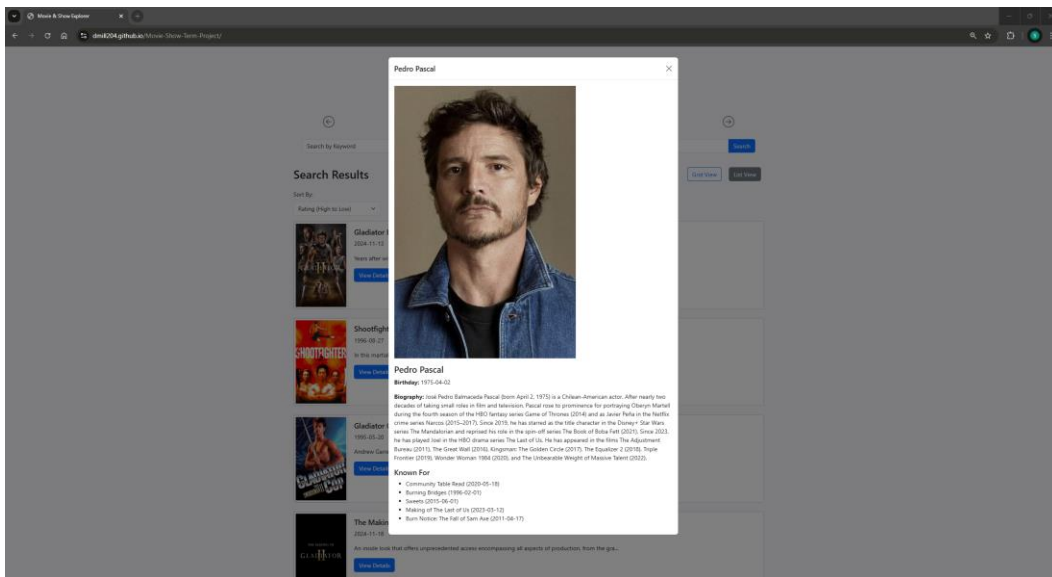
- **Description:** Clicking on "View Details" opens a modal displaying detailed information about the selected movie, including cast members.
- **Action:** The user clicks "View Details" for "Gladiator II."
- **Screenshot:**



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## 7. Cast Member Details

- **Description:** Clicking "More Info" next to a cast member opens their biography and filmography in a modal.
- **Action:** The user clicks "More Info" for a cast member, such as Pedro Pascal in *Gladiator II*.
- **Screenshot:**

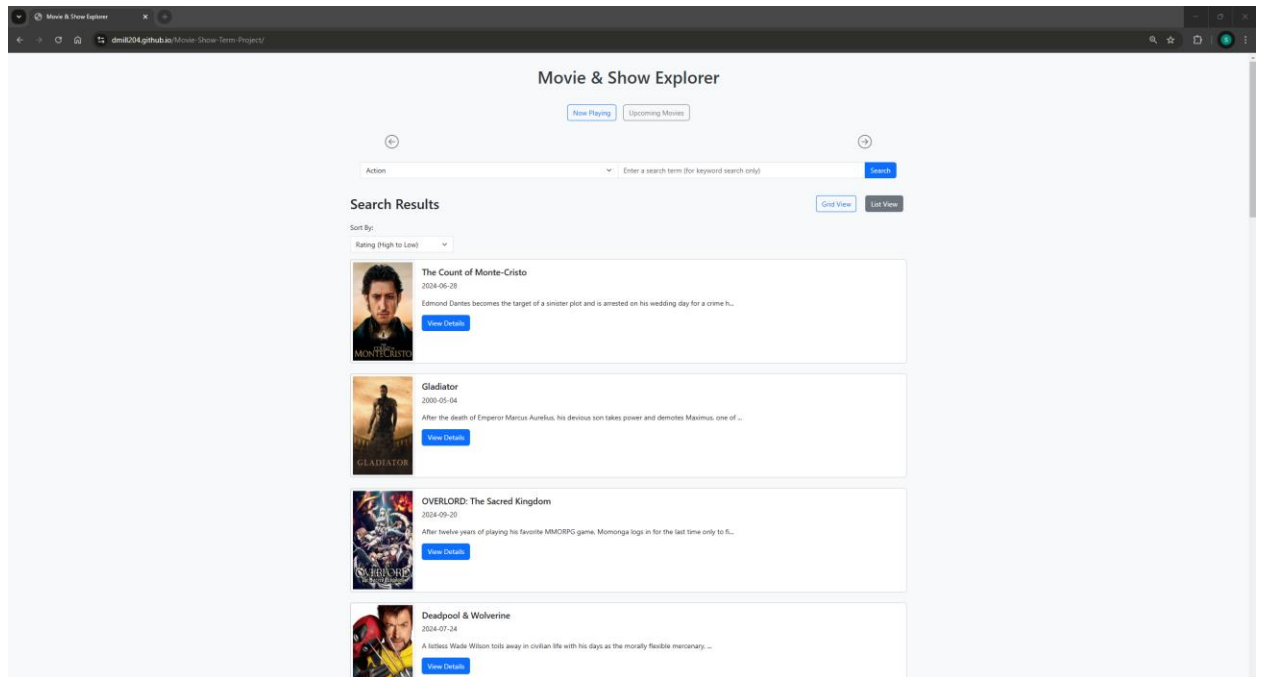




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## 8. Sorting and Views

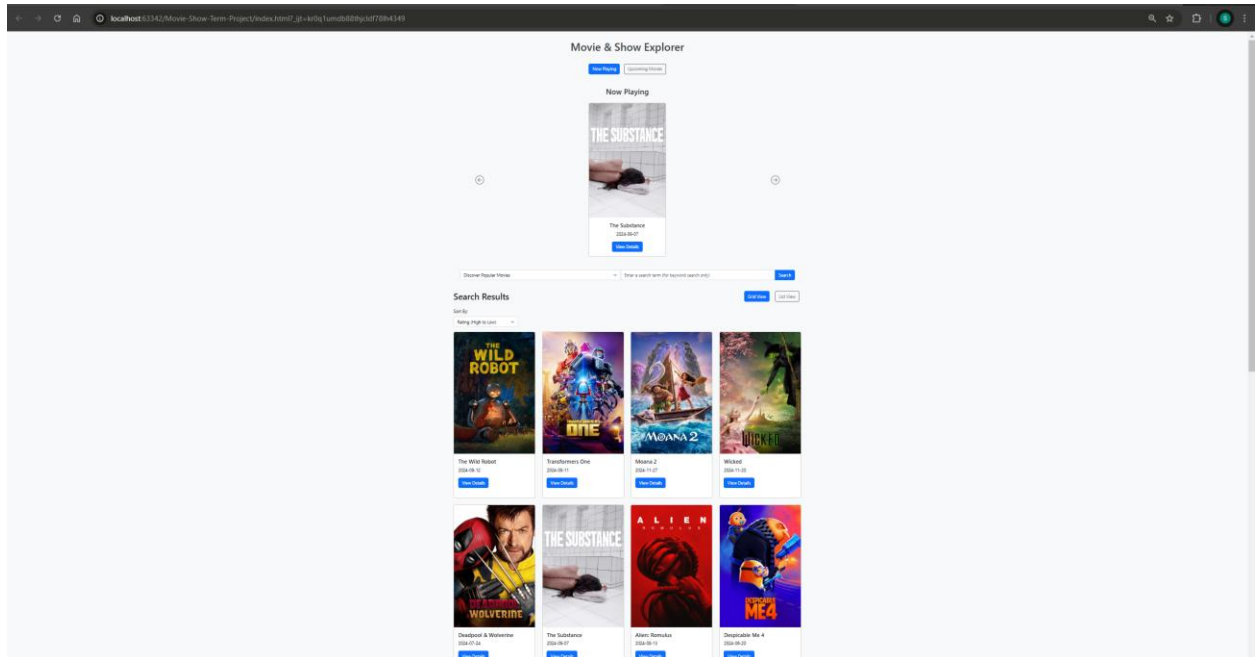
- **Description:** Users can toggle between "Grid View" and "List View" for search results. Sorting options include Title (A-Z), Release Date, and Rating.
- **Action:** The user selects "List View" and sorts movies by "Rating (High to Low)."
- **Screenshot:**



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## 9. Discover Popular Movies

- **Description:** Users can select the Discover Popular Movies option from the dropdown to view current trending movies.
- **Action:** Discover Popular Movies can be selected in the dropdown menu to populate movies that are trending.
- **Screenshot:**



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## List of APIs and Frameworks Used

### 1. APIs

- **TMDb API:** Used to fetch data for movies, genres, and cast details.
  - Documentation: <https://developers.themoviedb.org/3>

### 2. Frameworks and Libraries

- **Bootstrap:** Used for responsive layout and components like icons, carousel, modals, and buttons.
  - Documentation: <https://getbootstrap.com>
- **jQuery:** Used for DOM manipulation, event handling, and AJAX requests.
  - Documentation: <https://jquery.com>
- **Bootstrap Icons:** Used for icons in carousel controls.
  - Documentation: <https://icons.getbootstrap.com>

### 3. Tools

- **IntelliJ:** Code editor.
- **GitHub Pages:** Hosting the project.
- **Google Chrome:** Browser for testing and debugging.

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## References

- **TMDb API Documentation:** <https://developers.themoviedb.org/3>
- **Bootstrap Documentation:** <https://getbootstrap.com/docs/5.3/>
- **Bootstrap Icons Documentation:** <https://icons.getbootstrap.com>
- **jQuery Documentation:** <https://api.jquery.com>