

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

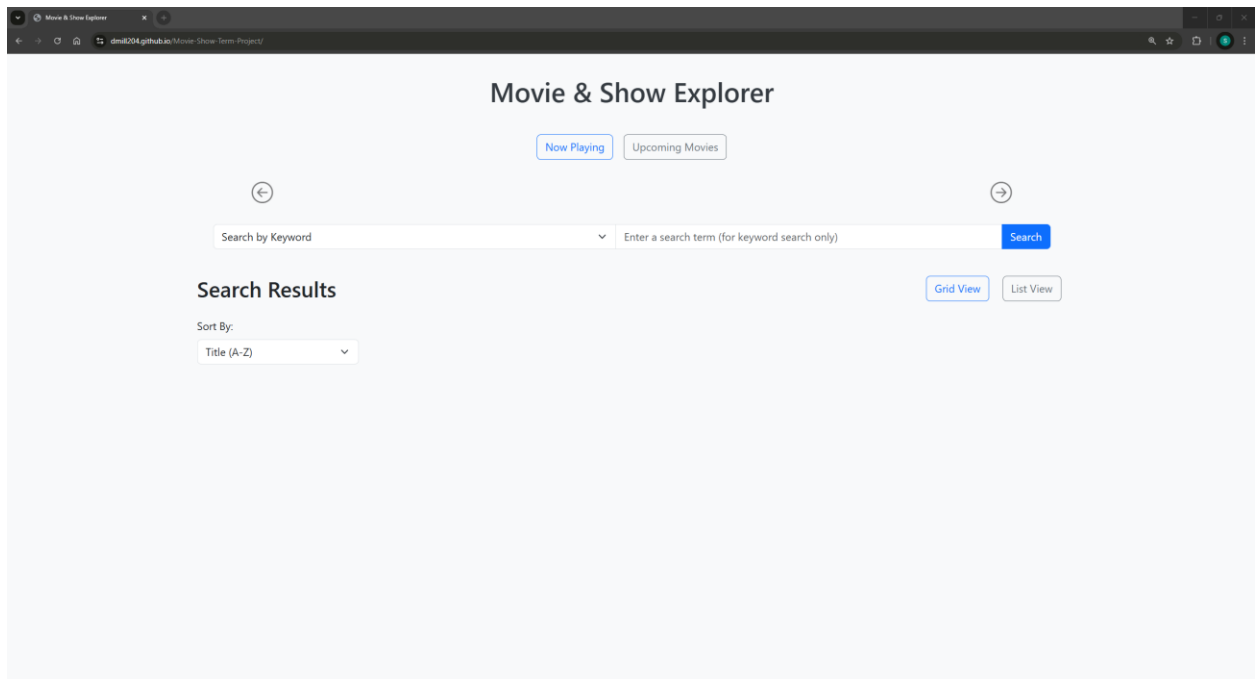
URL to Term Project Website

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

Screenshots with Explanations for Each Major Functionality

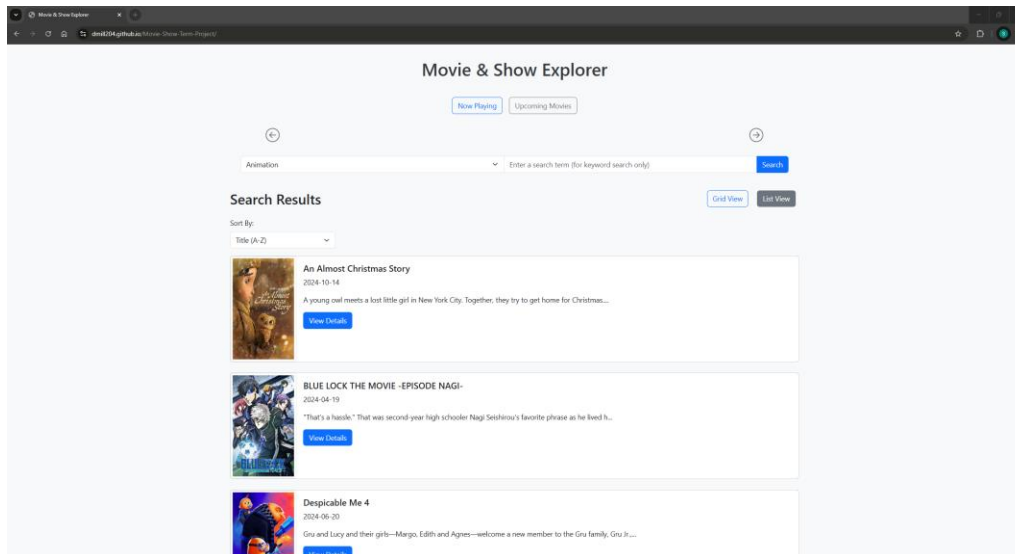
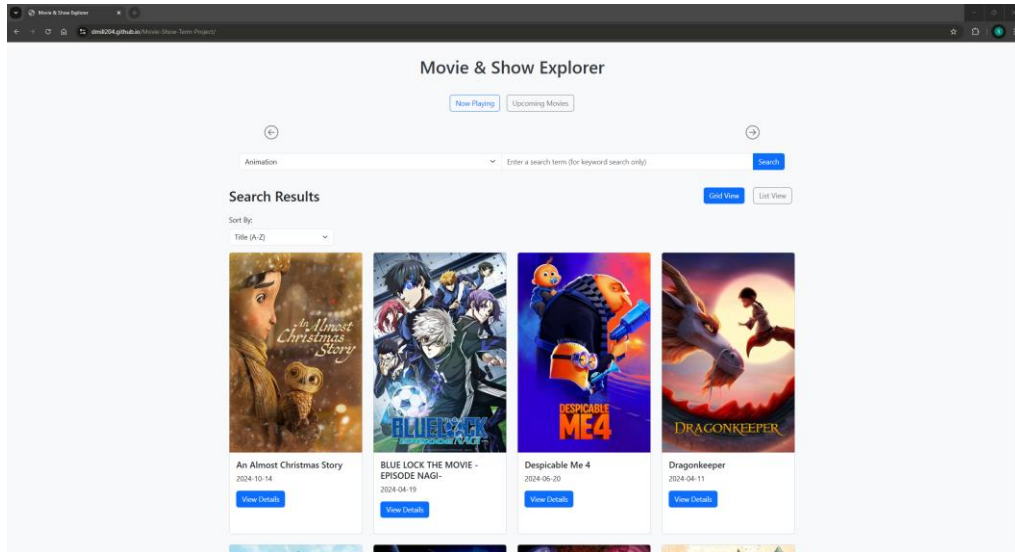
1. Homepage

- **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:**



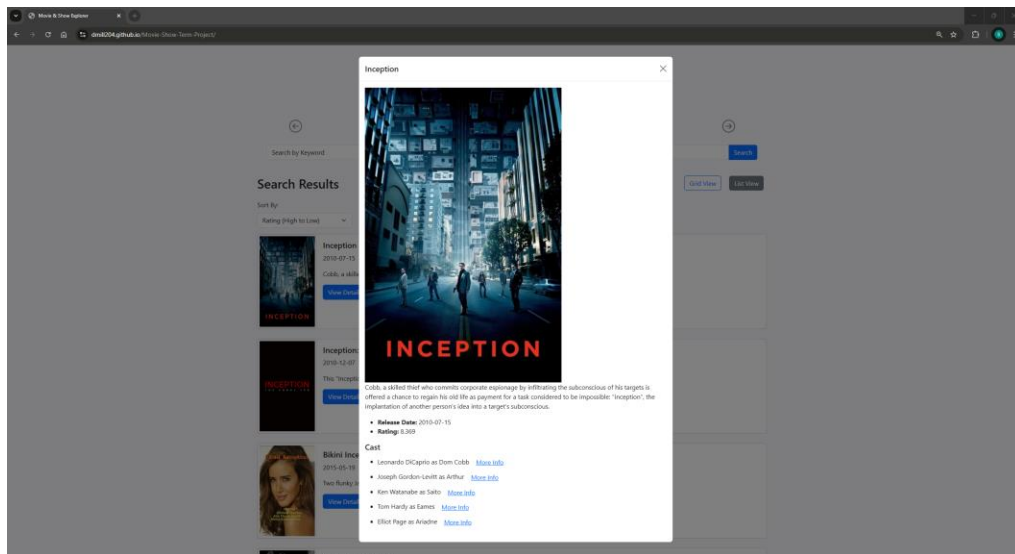
2. Search Functionality

- **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:**



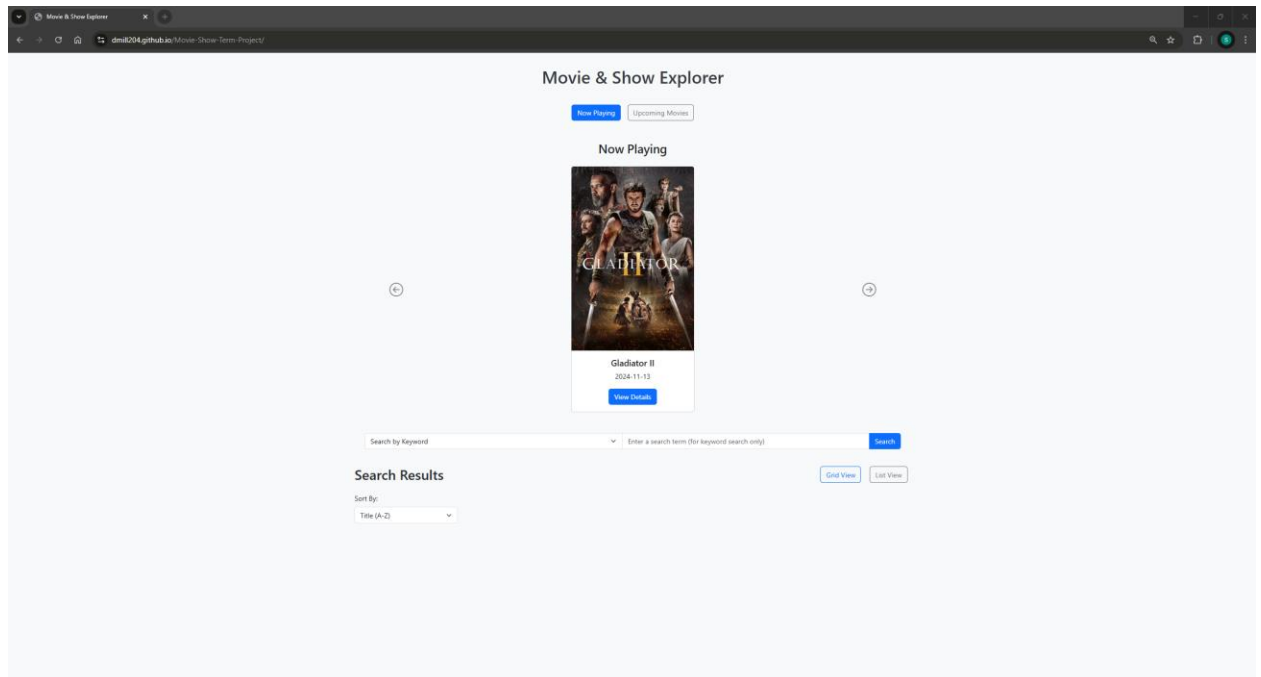
3. "View Details" Section

- **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:**



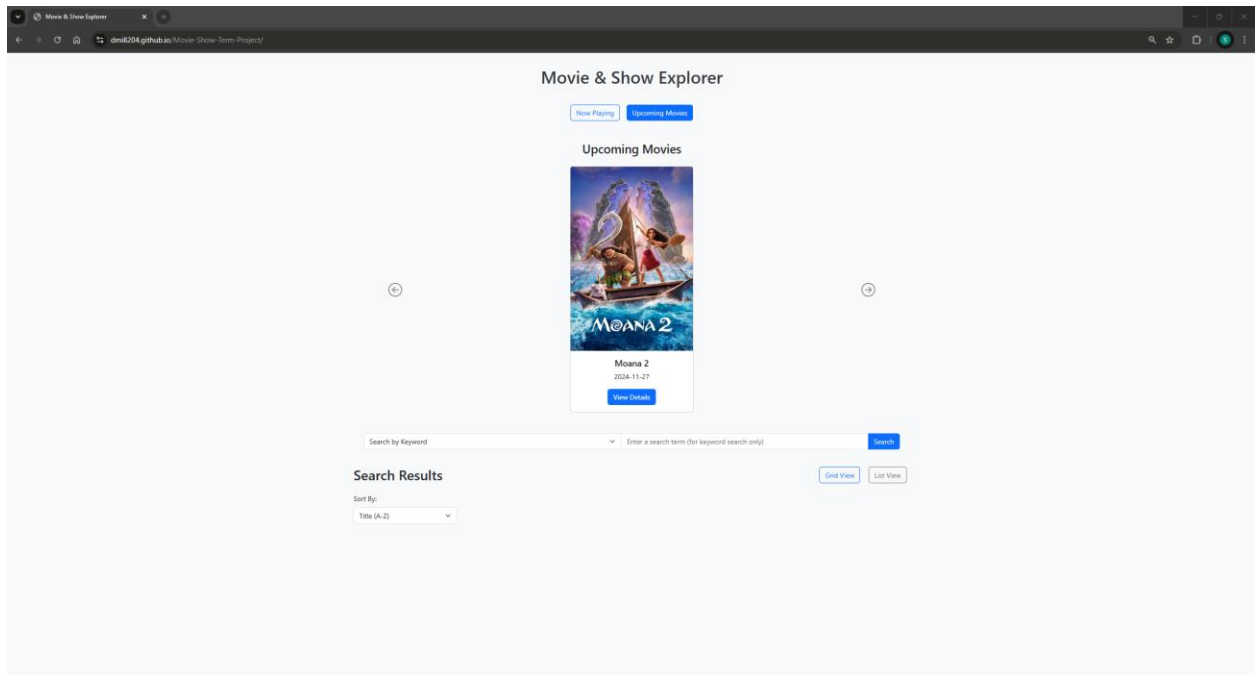
4. "Now Playing" Section

- **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:**



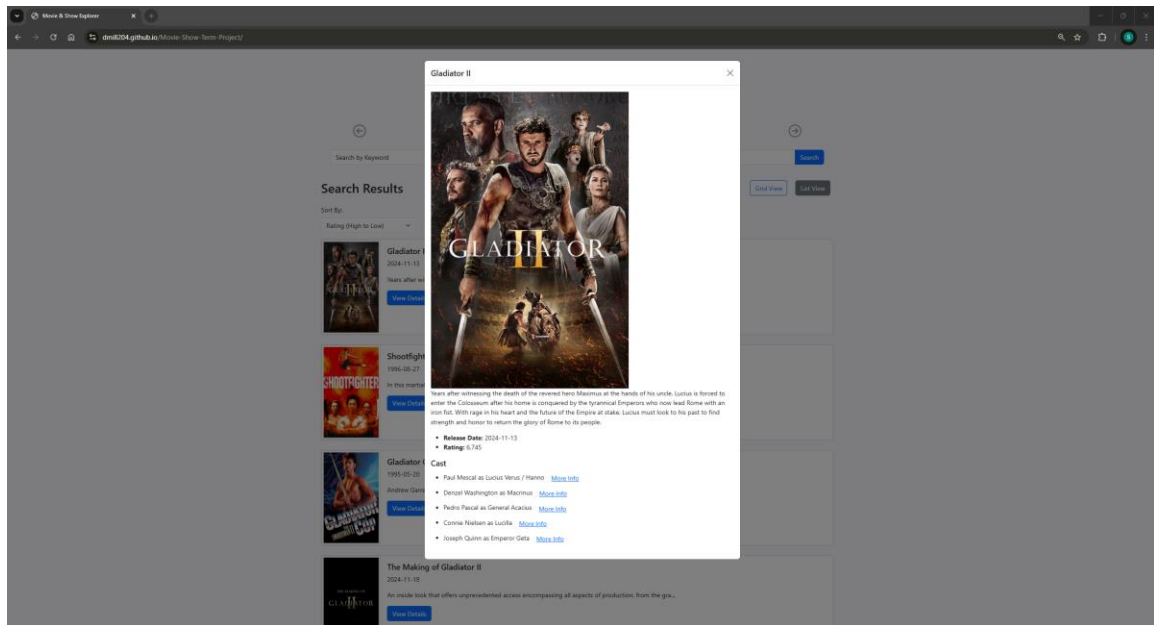
5. "Upcoming Movies" Section

- **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:**



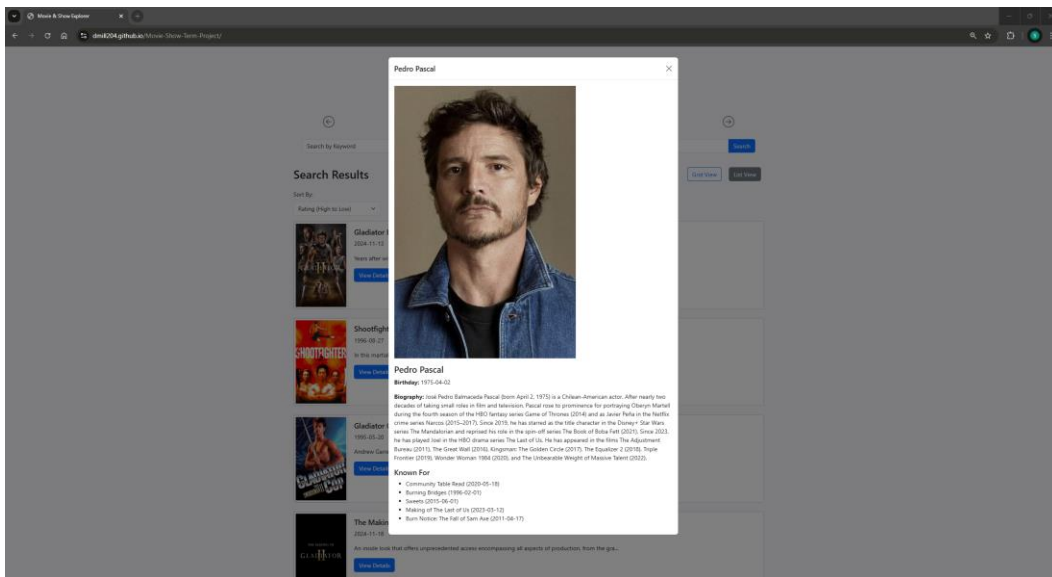
6. Movie Details

- **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:**



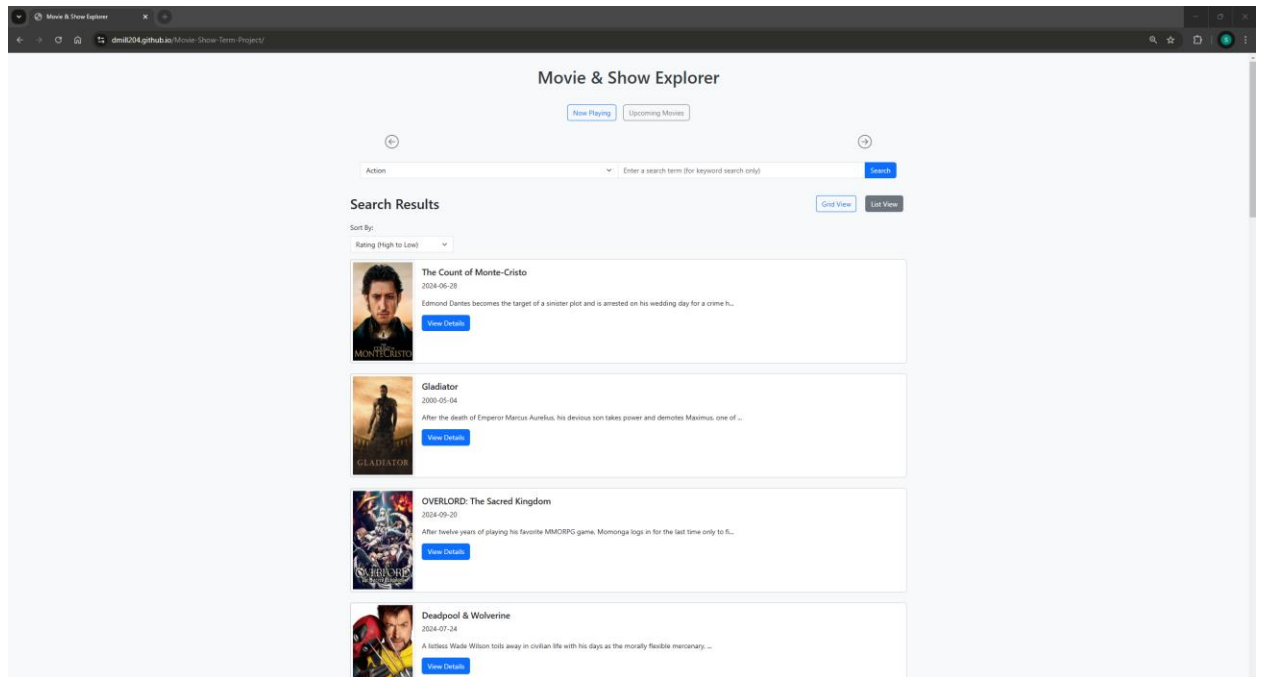
7. Cast Member Details

- **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:**



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:**



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.

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>