

Ssultanqyzy. Movies App Project

“Frontend Development” Course

Student ID: 220103398

Instructor: Nursat Bakyt

Overview

This Movies App is a comprehensive, interactive, and FULLY responsive web application that utilizes The Movie Database (TMDb) API to fetch and display information about movies.

The app includes

- search functionality with auto-suggestions;
- movie detail modals;
- Trending section;
- Search Results section
- a personalized watchlist that utilizes local storage for persistence.

IMPORTANT:

BEFORE YOU START:

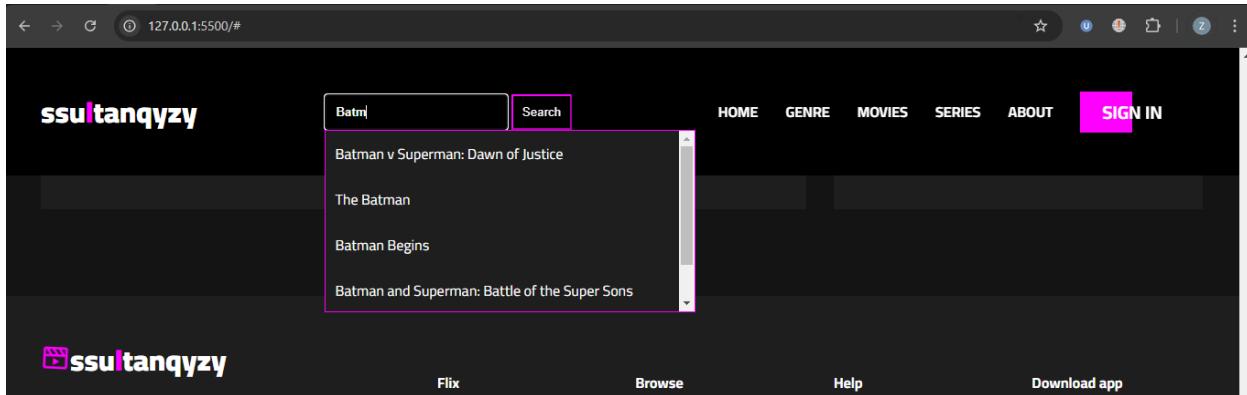
To change the API key to yours, search for “`76f7b206ac3f329de1b4f22bfcdc89f2`” in `app.js` file (this is my API_KEY), and replace it with yours

NOTE: I wanted to add `const API_KEY`, but interestingly, it didn’t work as if I doon’t declare `const` 😊.

Step-By-Step Instructions:

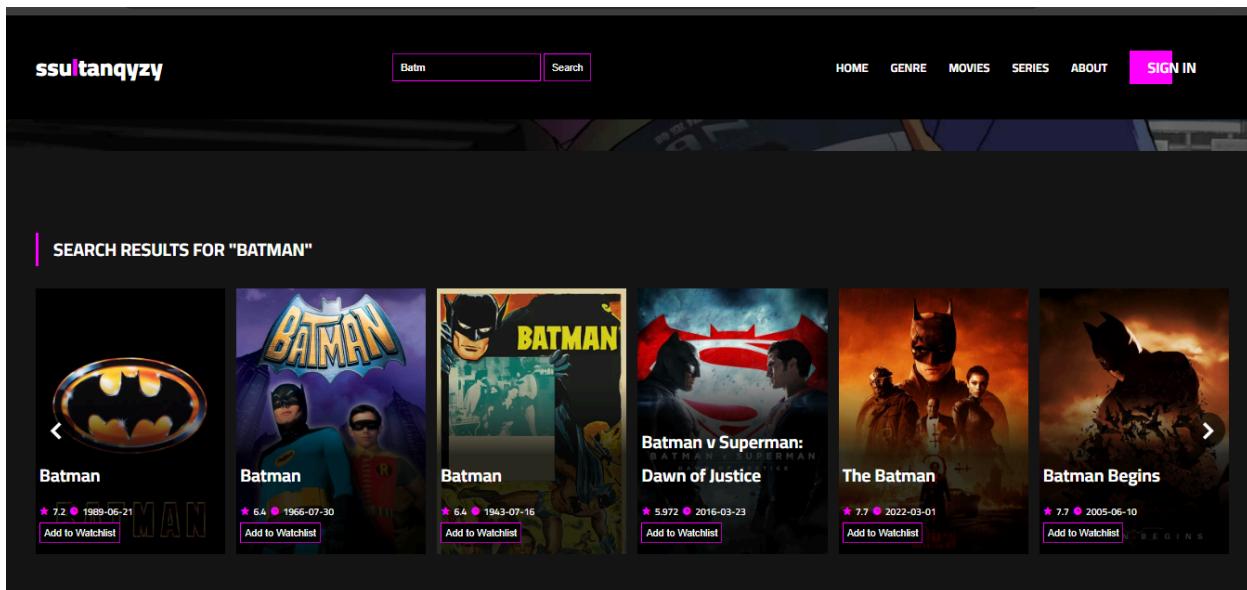
How to Use the Site

1. Search for Movies:



- Navigate to the **search input** located at the top of the page.
- Type in a movie title, such as "Batman."
- As you type, the **auto-suggestion feature** will display movie titles that match your input.
- Click on any suggestion to directly search for that movie, or click the **Search button** to see the results.

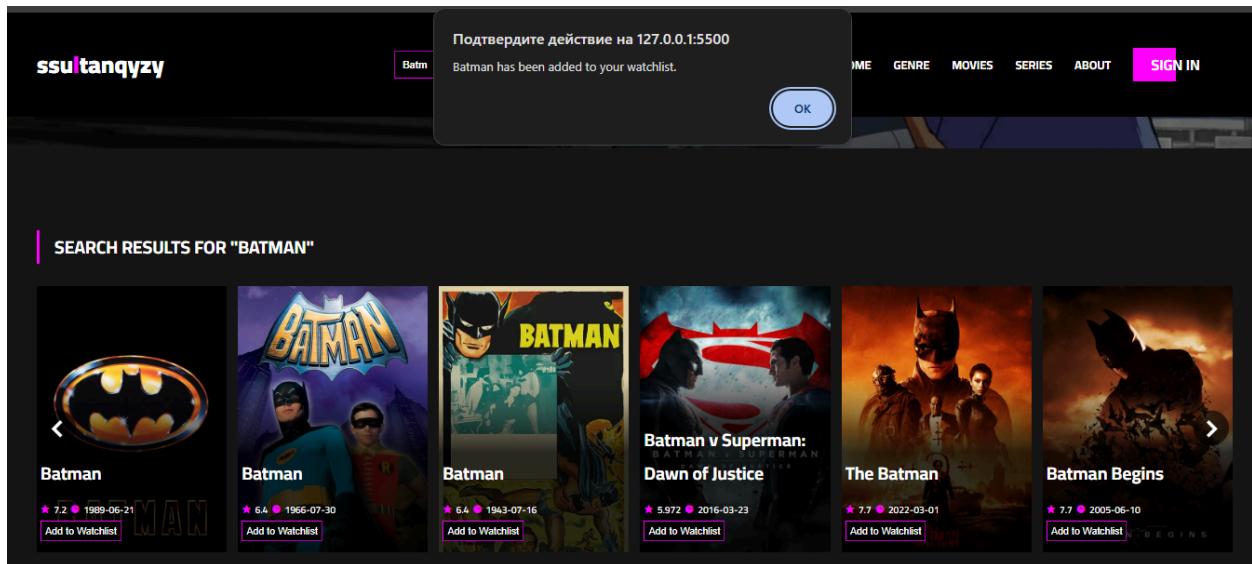
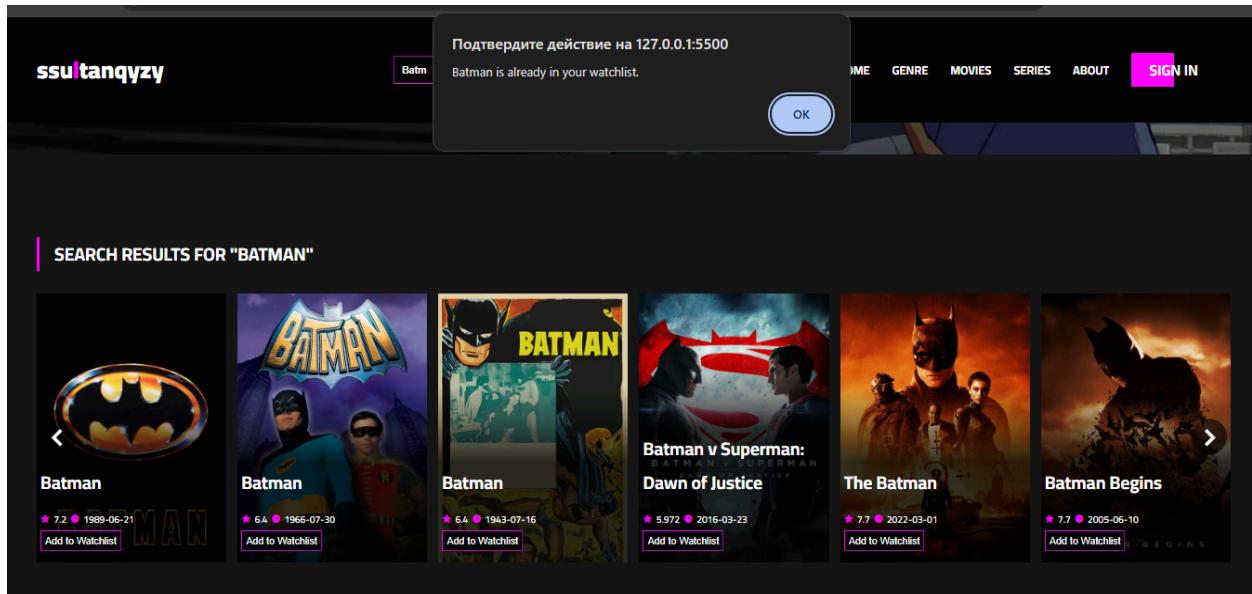
2. View Search Results:



- After clicking the search button or selecting a suggestion, the **Search Results** section will populate with movie cards showing movie posters, titles, and release dates.
- Each **movie card** is interactive; clicking on it will open a **modal** containing additional movie details, including a synopsis, rating, runtime, genres, and a trailer.

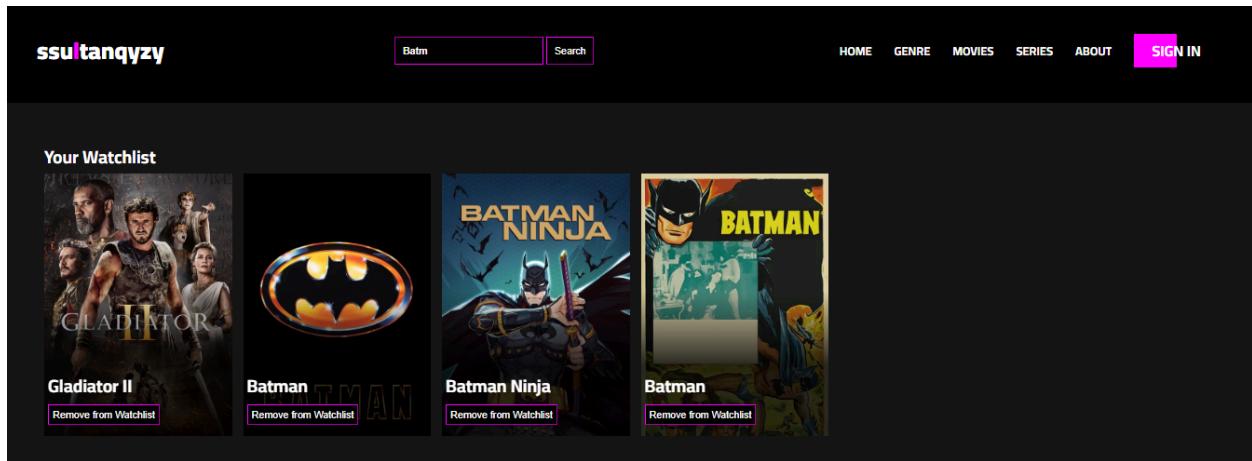
3. Add Movies to the Watchlist:

- Each movie card in the search results and other sections includes an "Add to Watchlist" button.
- Clicking this button will trigger a modal or alert message confirming that the movie has been added to your watchlist.
- If the movie is already in the watchlist, a message will indicate this.



4. View Your Watchlist:

- The **Watchlist section** on the page displays all the movies you have added.
- Movies are stored in the browser's **localStorage**, so your watchlist persists even after you refresh the page or reopen the site.



5. Remove Movies from the Watchlist:

- Each movie card in the watchlist section includes a "**Remove from Watchlist**" button.
- Click this button to remove the movie, with an alert confirming the removal.

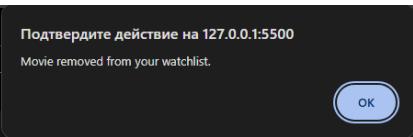
ssultanqyzy

HOME GENRE MOVIES SERIES ABOUT SIGN IN

Подтвердите действие на 127.0.0.1:5500
Movie removed from your watchlist.

OK

Your Watchlist



Gladiator II

Batman

Batman Ninja

Batman

Remove from Watchlist Remove from Watchlist Remove from Watchlist Remove from Watchlist

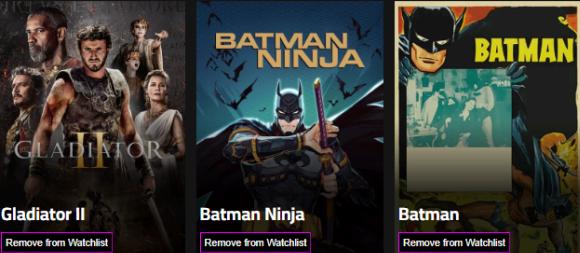
ssultanqyzy

HOME GENRE MOVIES SERIES ABOUT SIGN IN

Batm

Search

Your Watchlist



Gladiator II

Batman Ninja

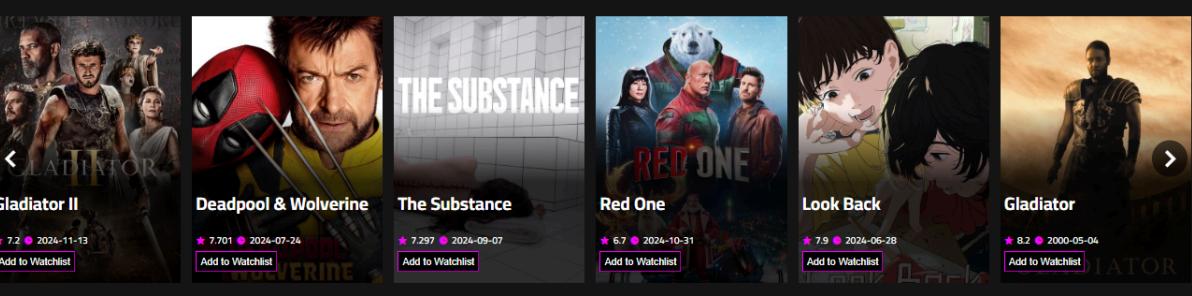
Batman

Remove from Watchlist Remove from Watchlist Remove from Watchlist

6. Explore Trending Movies:

- The **Trending section** on the site showcases currently trending movies.
- This section is continuously updated with data fetched from the TMDb API's trending category.

TRENDING MOVIES



Gladiator II

Deadpool & Wolverine

The Substance

Red One

Look Back

Gladiator

7.2 2024-11-13 Add to Watchlist

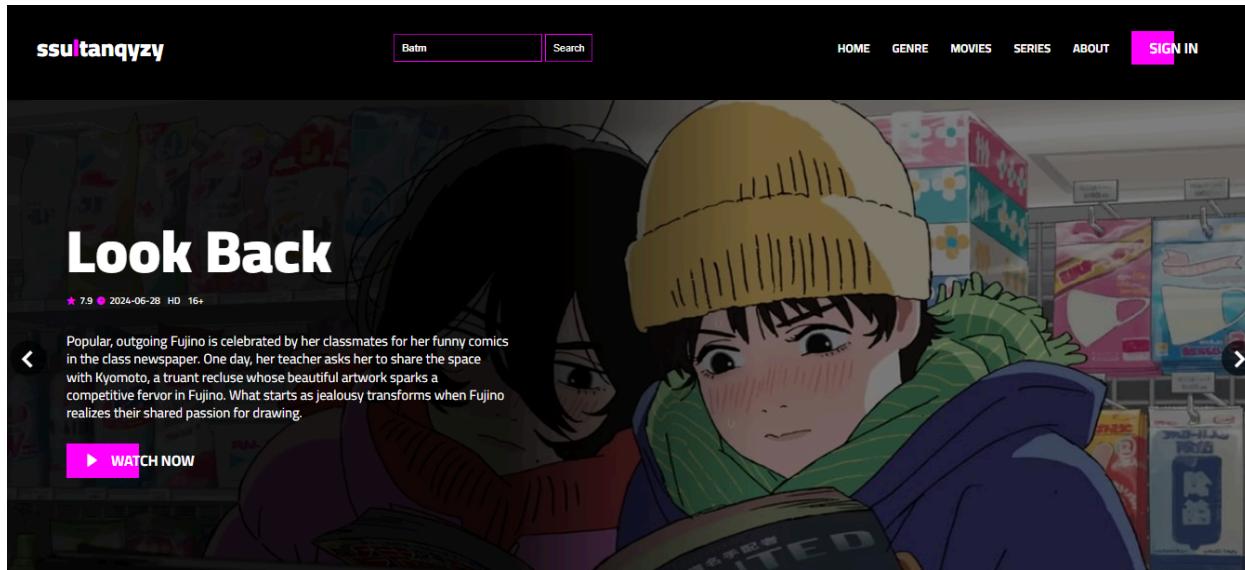
7.701 2024-07-24 Add to Watchlist

7.297 2024-09-07 Add to Watchlist

6.7 2024-10-31 Add to Watchlist

7.9 2024-06-28 Add to Watchlist

8.2 2000-05-04 Add to Watchlist

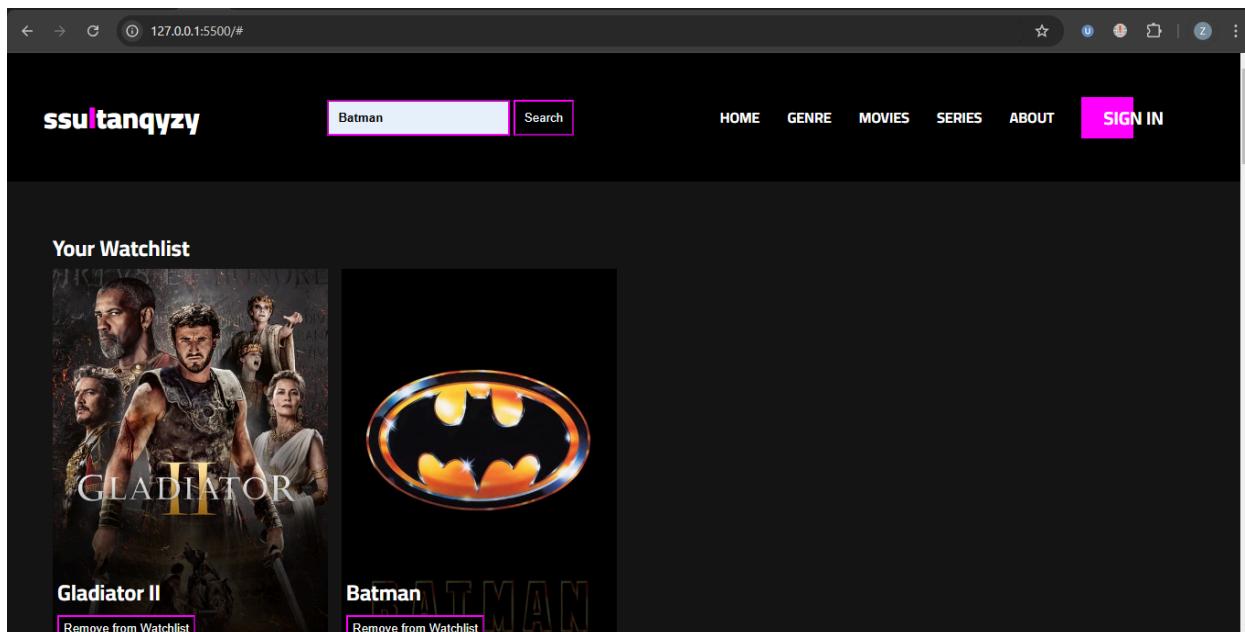


Features Implemented

1. Responsive Design

- The application has been designed to be fully responsive, with CSS media queries ensuring compatibility across various devices and screen sizes.
- Key responsive elements include a collapsible hamburger menu for navigation, flexible search and display layouts, and a dynamically resizable modal for movie details.

1600px:



Dimensions: Responsive ▾ 1600 × 604 83% ▾ No throttling ▾

ssultanqzyy Batman Search HOME GENRE MOVIES SERIES ABOUT SIGN IN

Gladiator

★ 8.216 ● 2000-05-04 HD 16+

In the year 180, the death of Emperor Marcus Aurelius throws the Roman Empire into chaos. Maximus is one of the Roman army's most capable and trusted generals, as well as a key advisor to the emperor. As Marcus' devious son Commodus ascends to the throne, Maximus is sentenced to execution. He escapes but is captured by slave traders. Renamed "Spaniard" and forced to become a gladiator, Maximus must battle to the death against other men for the amusement of paying audiences.

▶ WATCH NOW



Dimensions: Responsive ▾ 1600 × 604 83% ▾ No throttling ▾

ssultanqzyy Batman Search HOME GENRE MOVIES SERIES ABOUT SIGN IN

SEARCH RESULTS FOR "BATMAN"

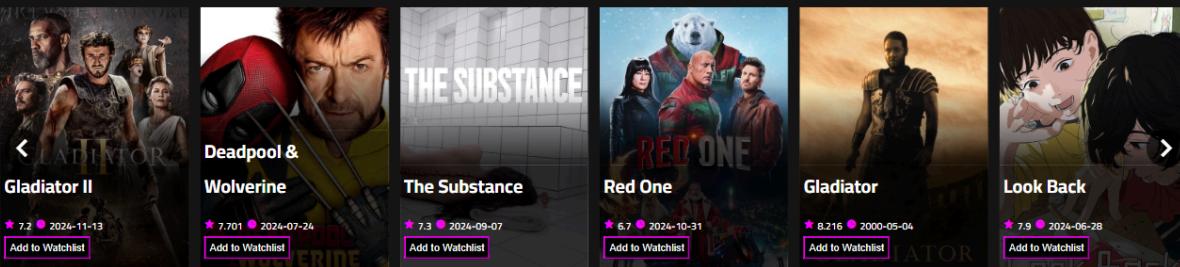


Title	Year	Rating	Action
Batman	1989-06-21	★ 7.2	Add to Watchlist
Batman	1966-07-30	★ 6.4	Add to Watchlist
Batman	1964-07-16	★ 6.4	Add to Watchlist
Batman v Superman: Dawn of Justice	2016-03-23	★ 5.972	Add to Watchlist
The Batman	2022-03-01	★ 7.7	Add to Watchlist
Batman Begins	2005-06-10	★ 7.7	Add to Watchlist

Dimensions: Responsive ▾ 1600 × 604 83% ▾ No throttling ▾

ssultanqzyy Batman Search HOME GENRE MOVIES SERIES ABOUT SIGN IN

TRENDING MOVIES



Title	Year	Rating	Action
Gladiator II	2024-11-13	★ 7.2	Add to Watchlist
Deadpool & Wolverine	2024-07-24	★ 7.701	Add to Watchlist
The Substance	2024-09-07	★ 7.3	Add to Watchlist
Red One	2024-10-31	★ 6.7	Add to Watchlist
Gladiator	2000-05-04	★ 8.216	Add to Watchlist
Look Back	2024-06-28	★ 7.9	Add to Watchlist

Dimensions: Responsive ▾ 1600 × 604 83% No throttling ▾

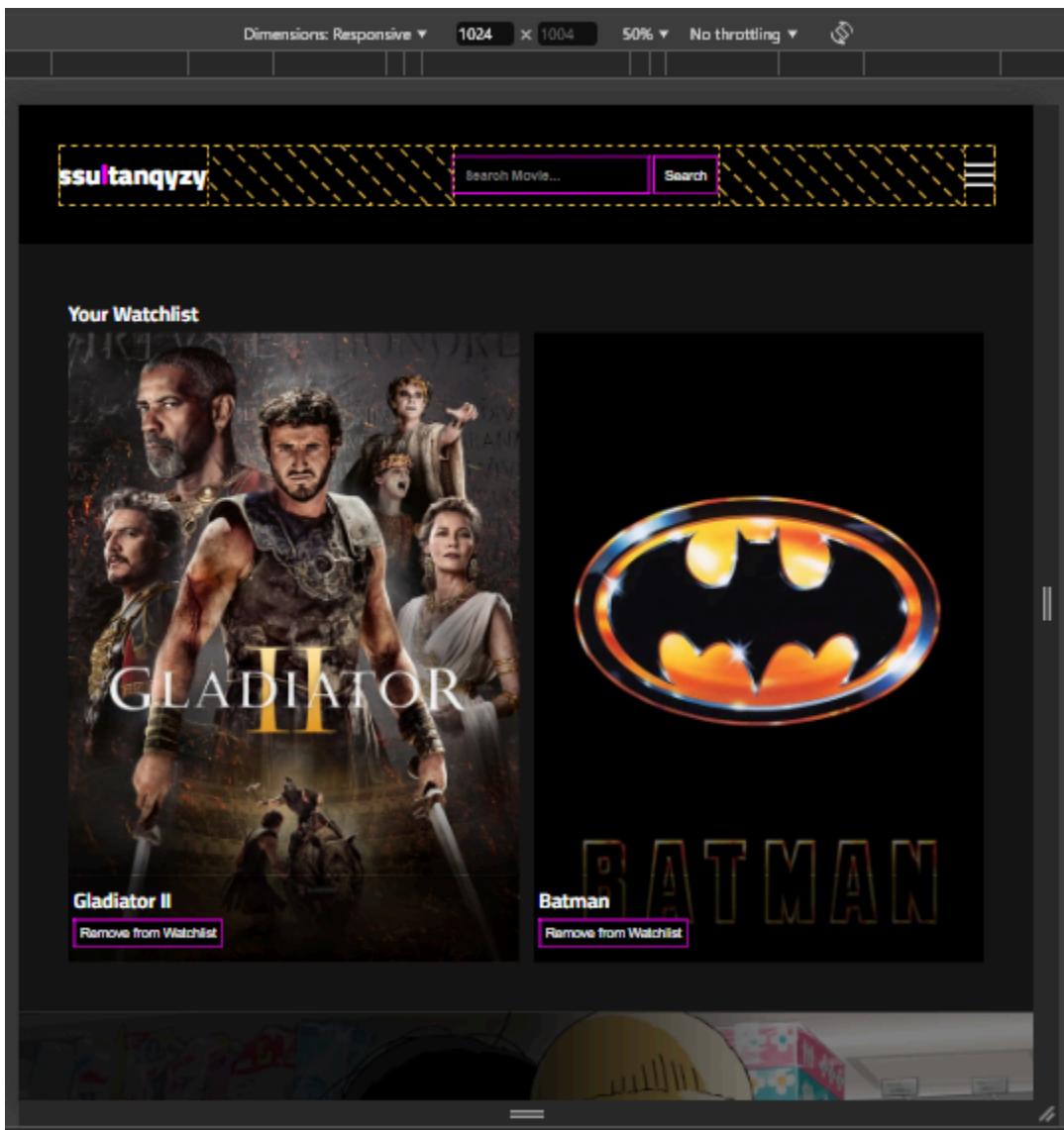
The screenshot shows the SSULTANQZY website's pricing section. At the top, there is a navigation bar with the logo "ssulttanqzy" on the left, a search bar with "Search Movie..." and a "Search" button in the center, and menu items "HOME", "GENRE", "MOVIES", "SERIES", "ABOUT", and a pink "SIGN IN" button on the right. Below the navigation is a section titled "SSULTANQZY PRICING" with three columns representing different plan options: Basic, Premium, and VIP.

Basic	Premium	VIP
Free	\$15.99 /month	\$35.99 /month
Originals	Originals	Originals
Switch plans anytime	Switch plans anytime	Switch plans anytime
65+ top Live	Full HD Video Quality	65+ top Live
TV Channels	65+ top Live	TV Channels
4K Video Quality	TV Channels	4K Video Quality

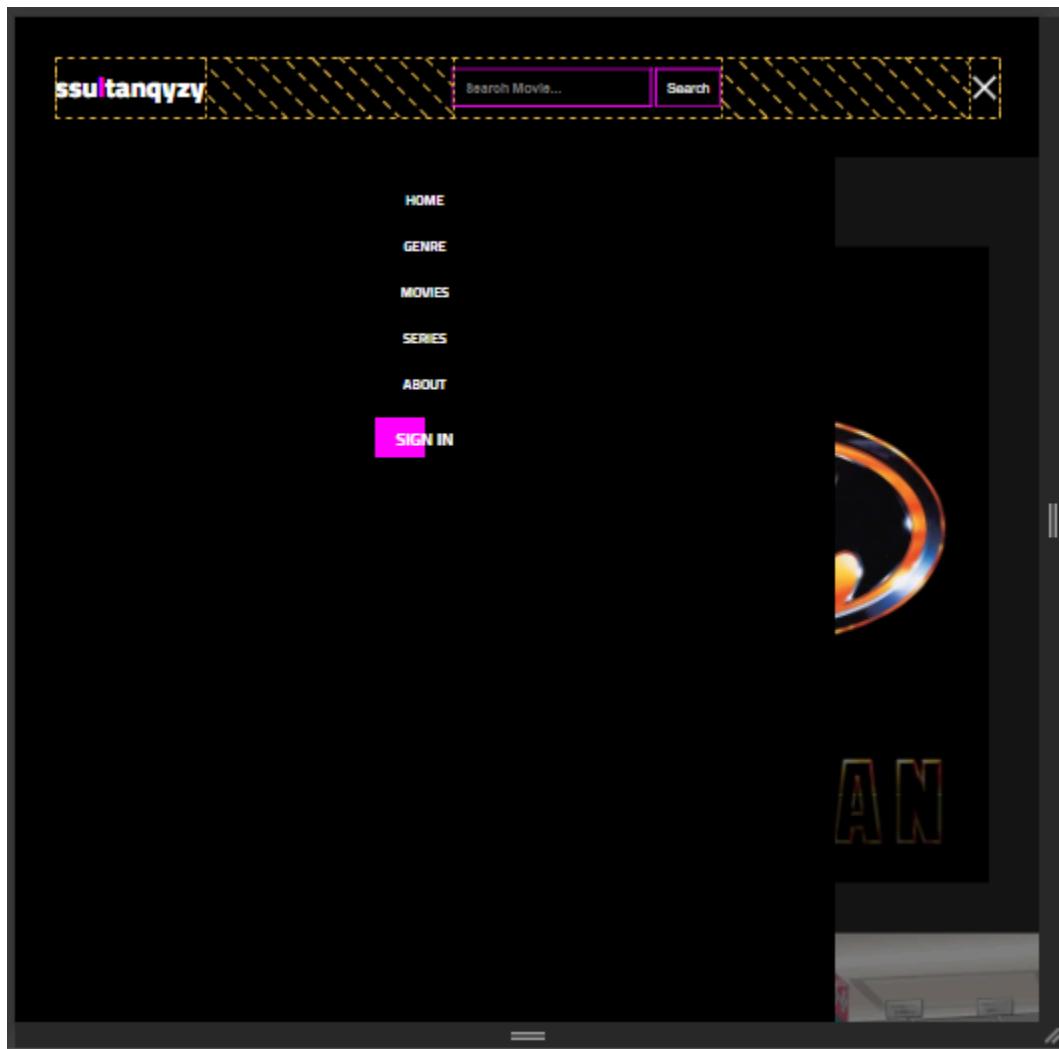
Dimensions: Responsive ▾ 1600 × 604 83% No throttling ▾

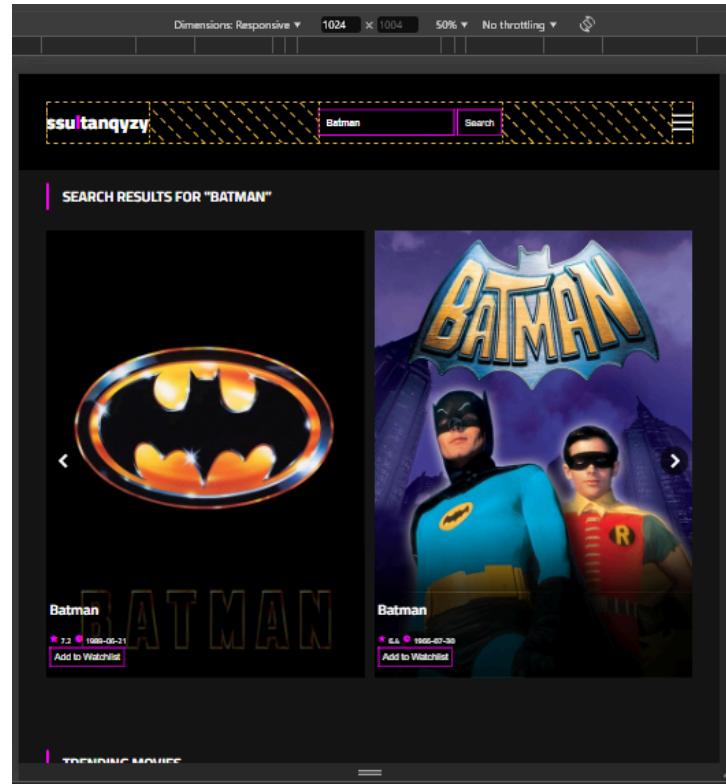
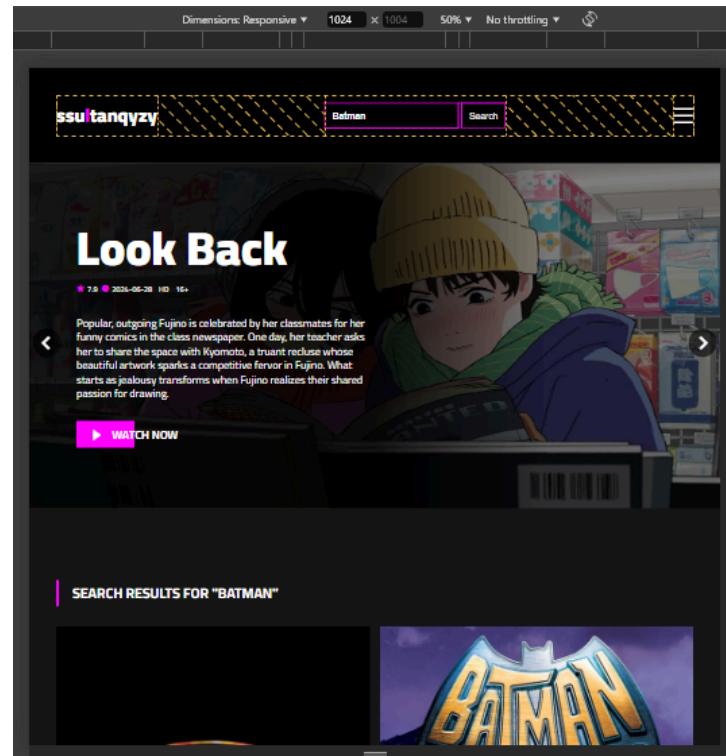
The screenshot shows the SSULTANQZY website's footer section. It features the "ssulttanqzy" logo on the left, followed by social media icons for Facebook, Twitter, and Instagram. To the right of the logo are three columns of links: "Flix" (About us, My profile, Pricing plans, Contacts), "Browse" (About us, My profile, Pricing plans, Contacts), "Help" (About us, My profile, Pricing plans, Contacts), and a "Download app" link. Each column has a pink "REGISTER NOW" button below its respective links.

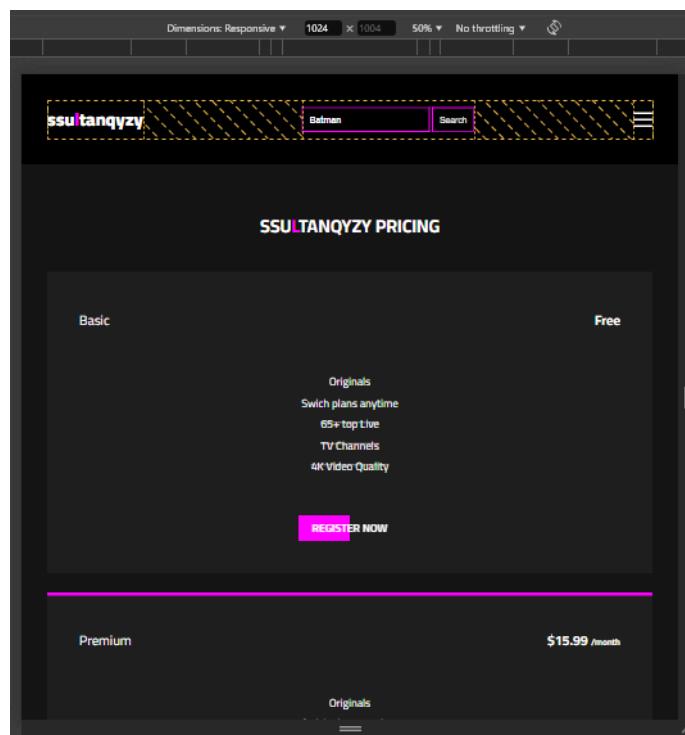
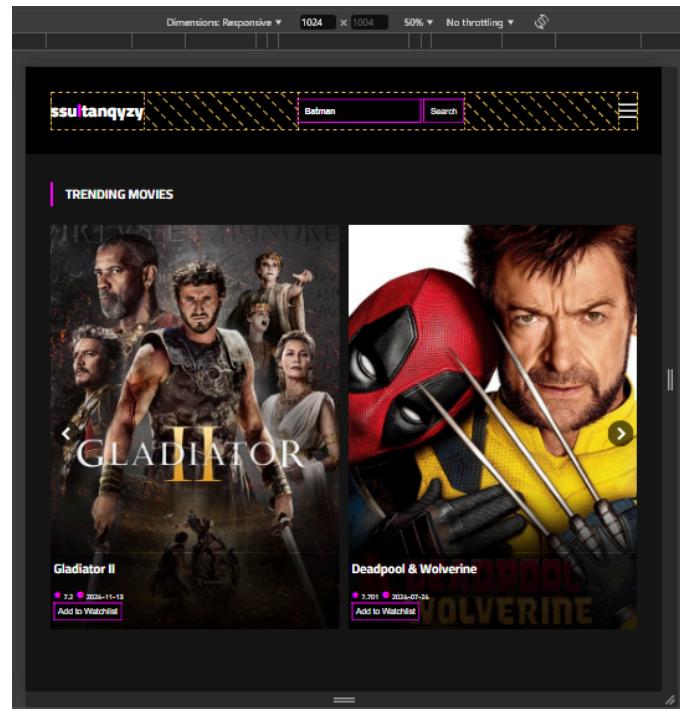
1024px:

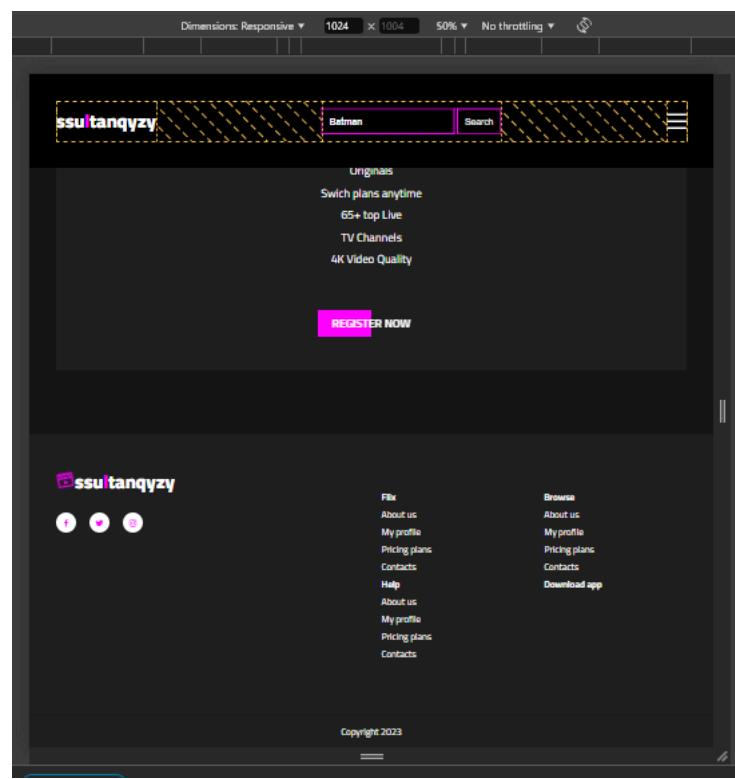
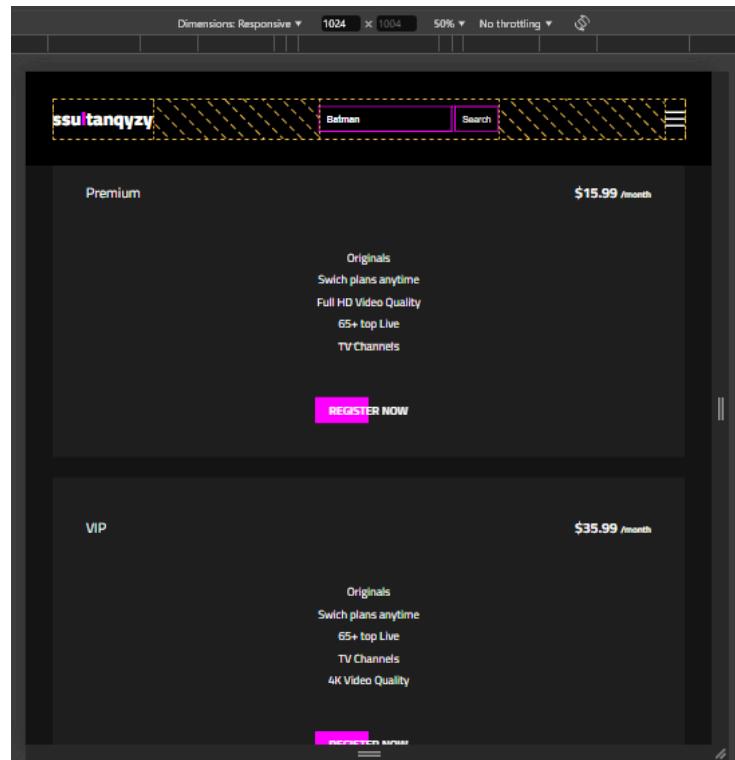


Hamburger:

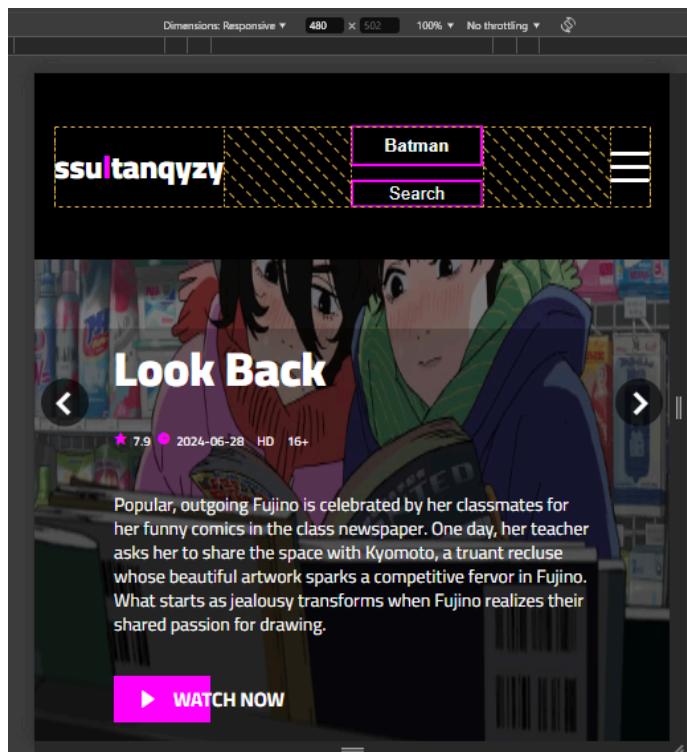
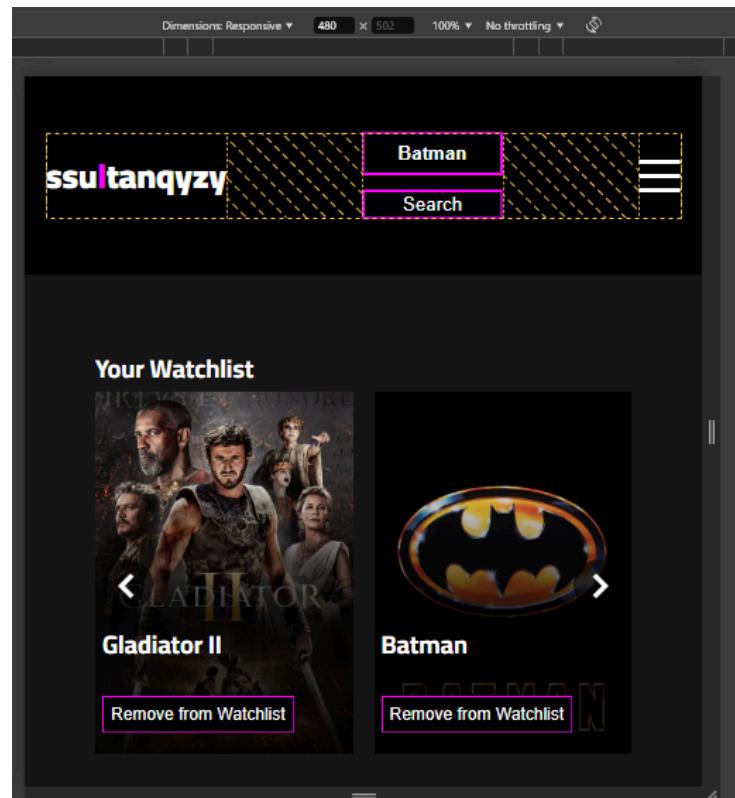


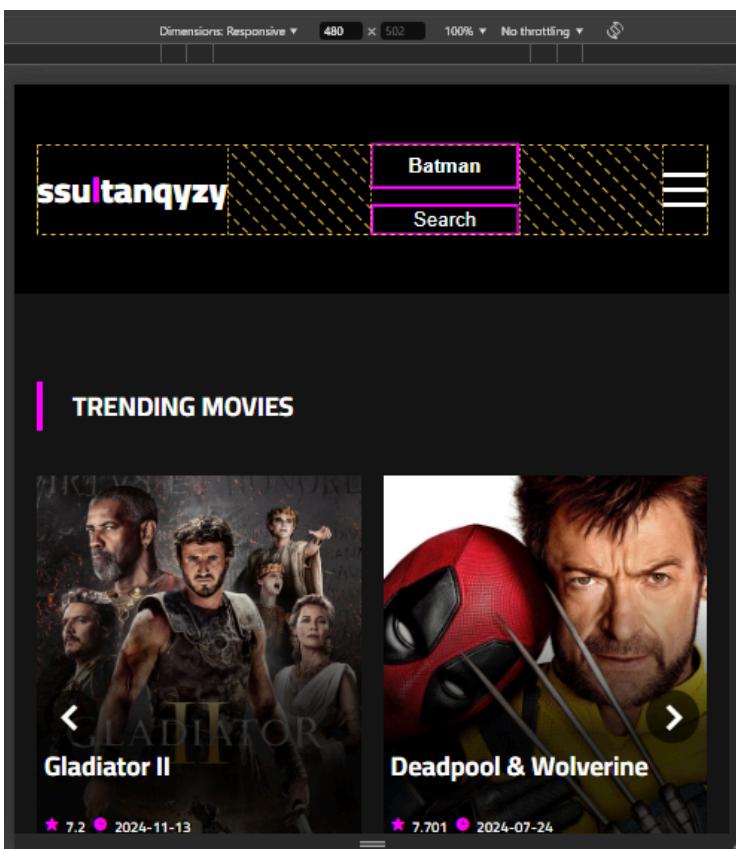
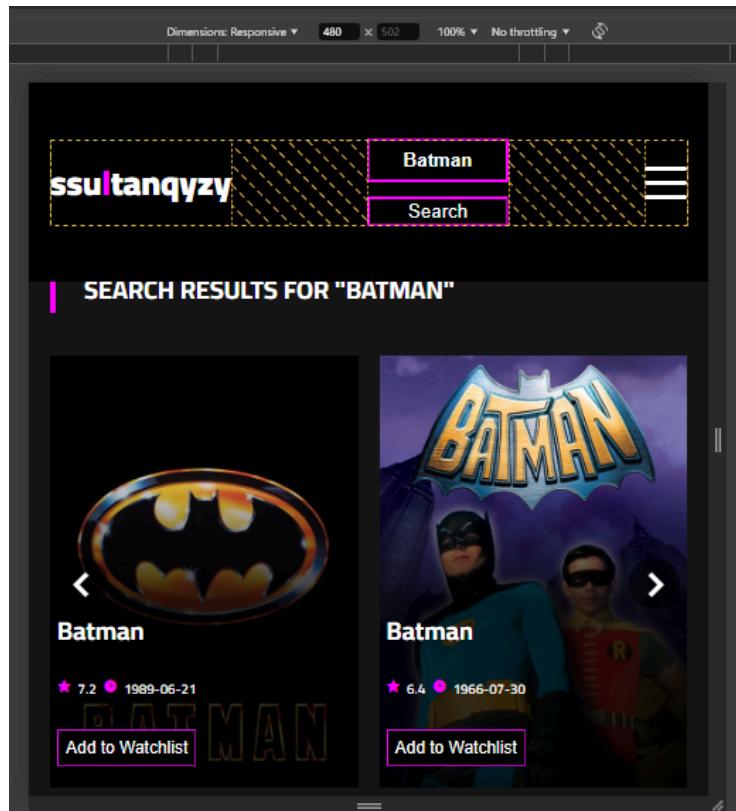


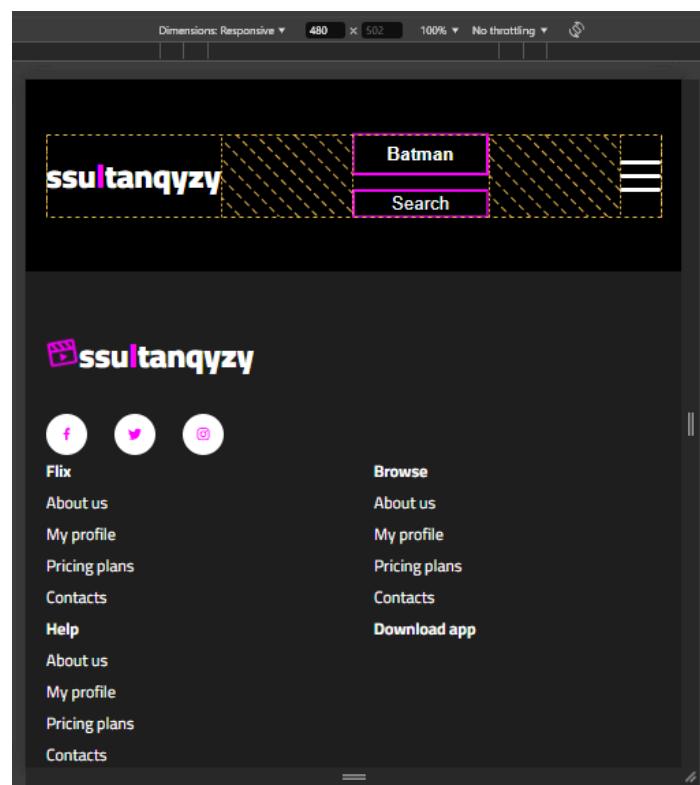
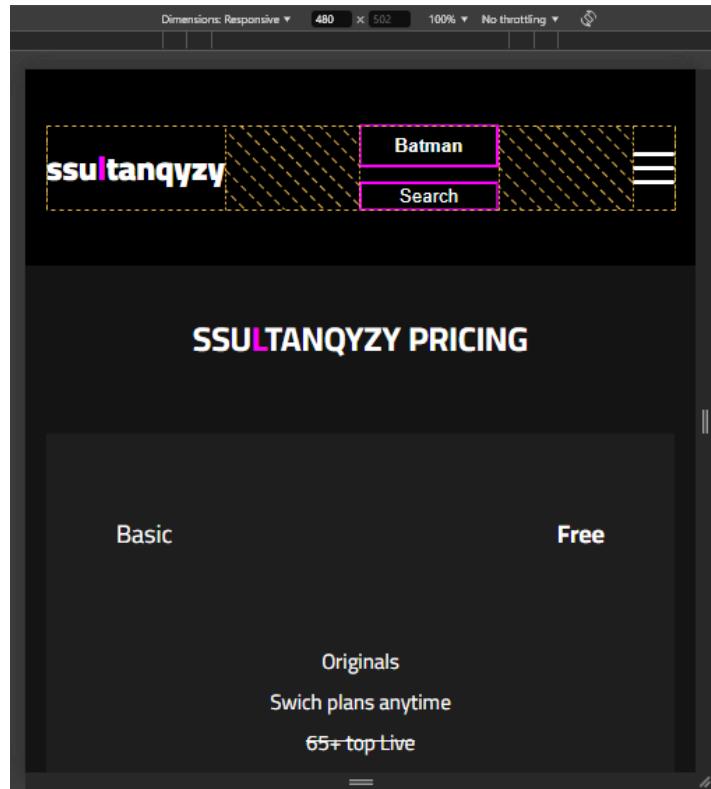




480px:





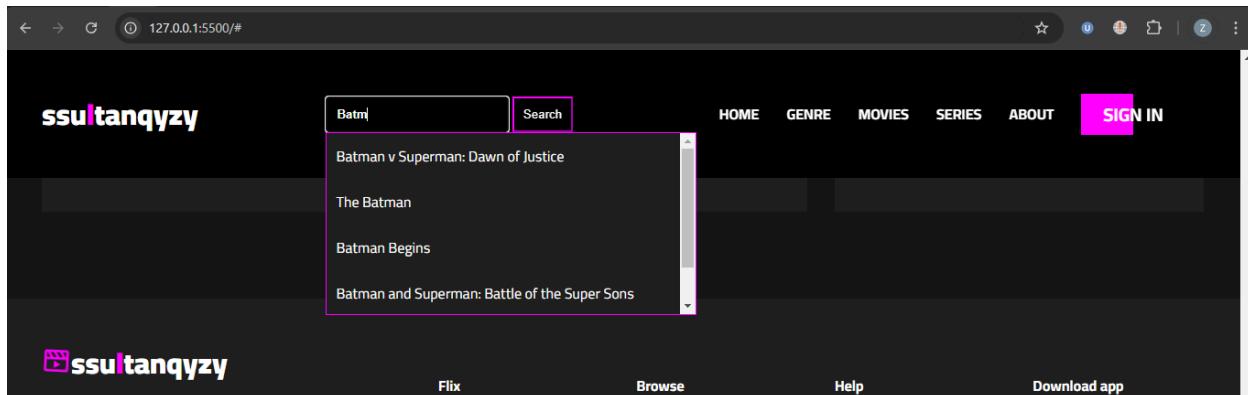


2. API Integration

- The app fetches data from The Movie Database (TMDb) API using JavaScript's `fetch()` method.
- The API is used to retrieve:
 - Trending movies for the main carousel display.
 - Movie data for search results and modal details.
- API key management ensures secure data fetching in real-time.

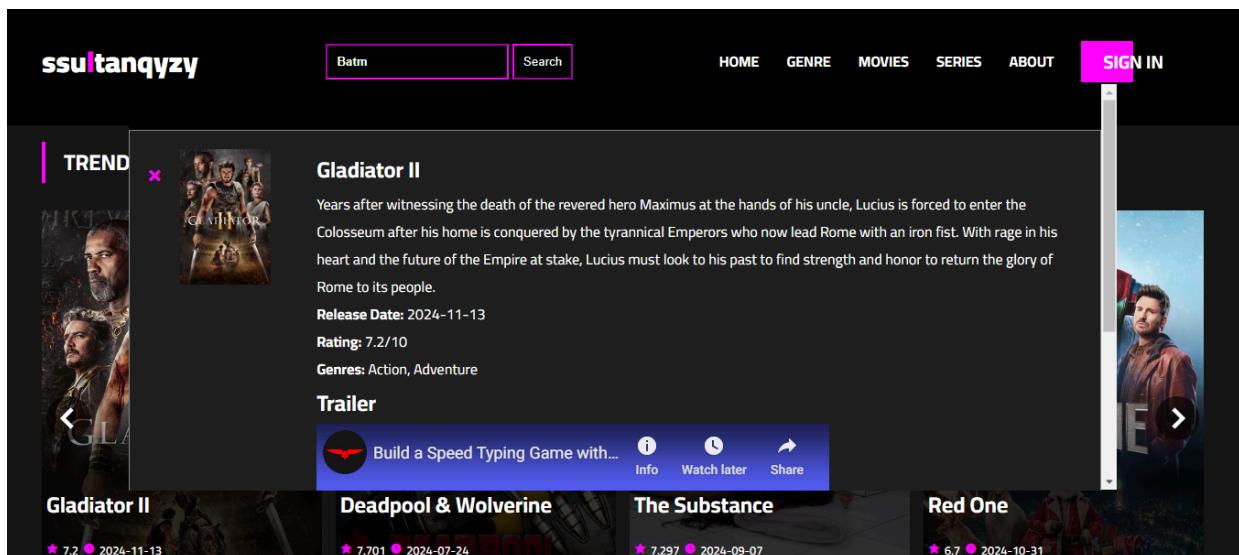
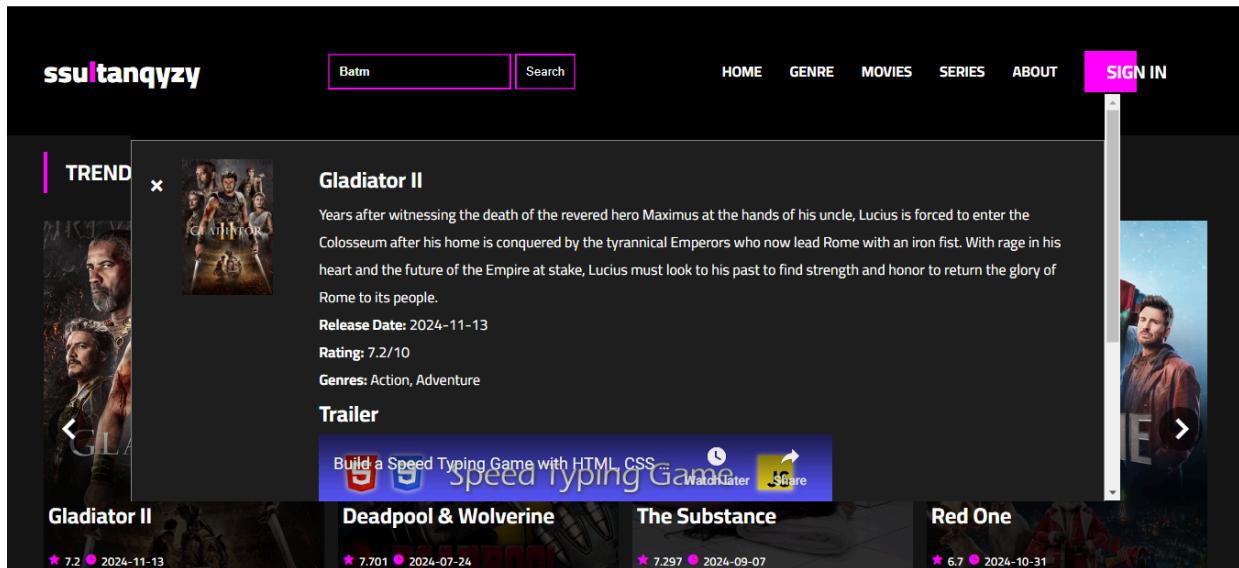
3. Search Functionality

- **Real-time Auto-Suggestion:**
 - As the user types in the search input, movie title suggestions appear.
 - Users can click on suggestions to immediately search for the selected movie.
- **Movie Search Results:**
 - A grid layout displays search results, including movie posters, titles, and release dates.
- JavaScript functions handle fetching and displaying movie suggestions and results seamlessly.

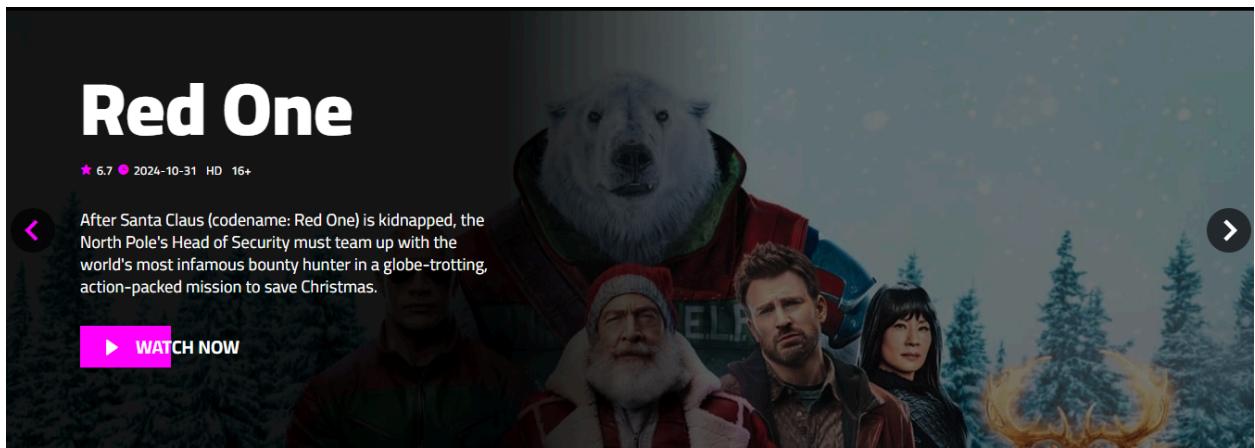
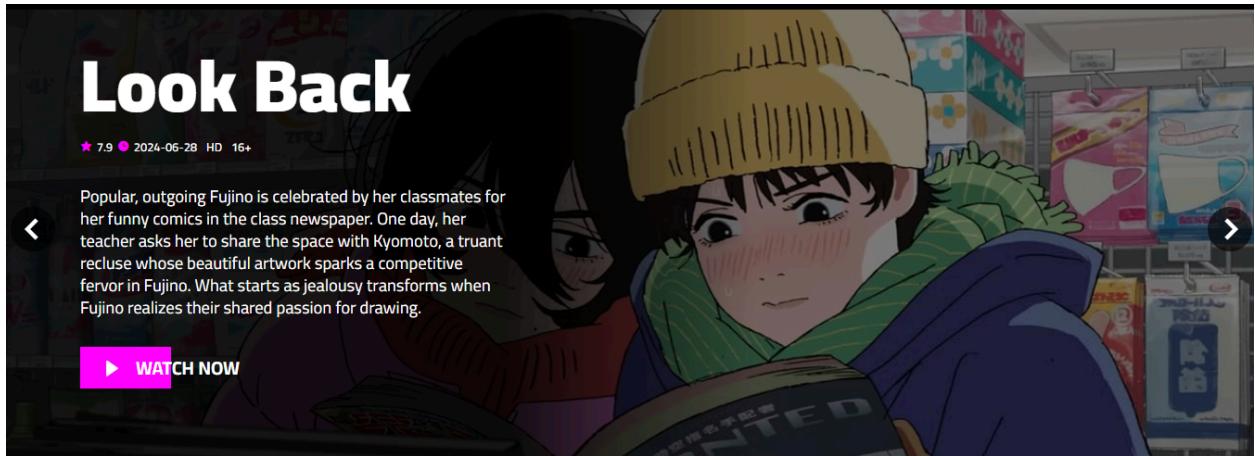


4. Interactive Elements

- **Movie Detail Modal:**
 - Clicking on a movie card displays a modal with detailed information including the movie's synopsis, rating, runtime, genres, and a trailer link.
 - The modal supports smooth transitions for a polished user experience.

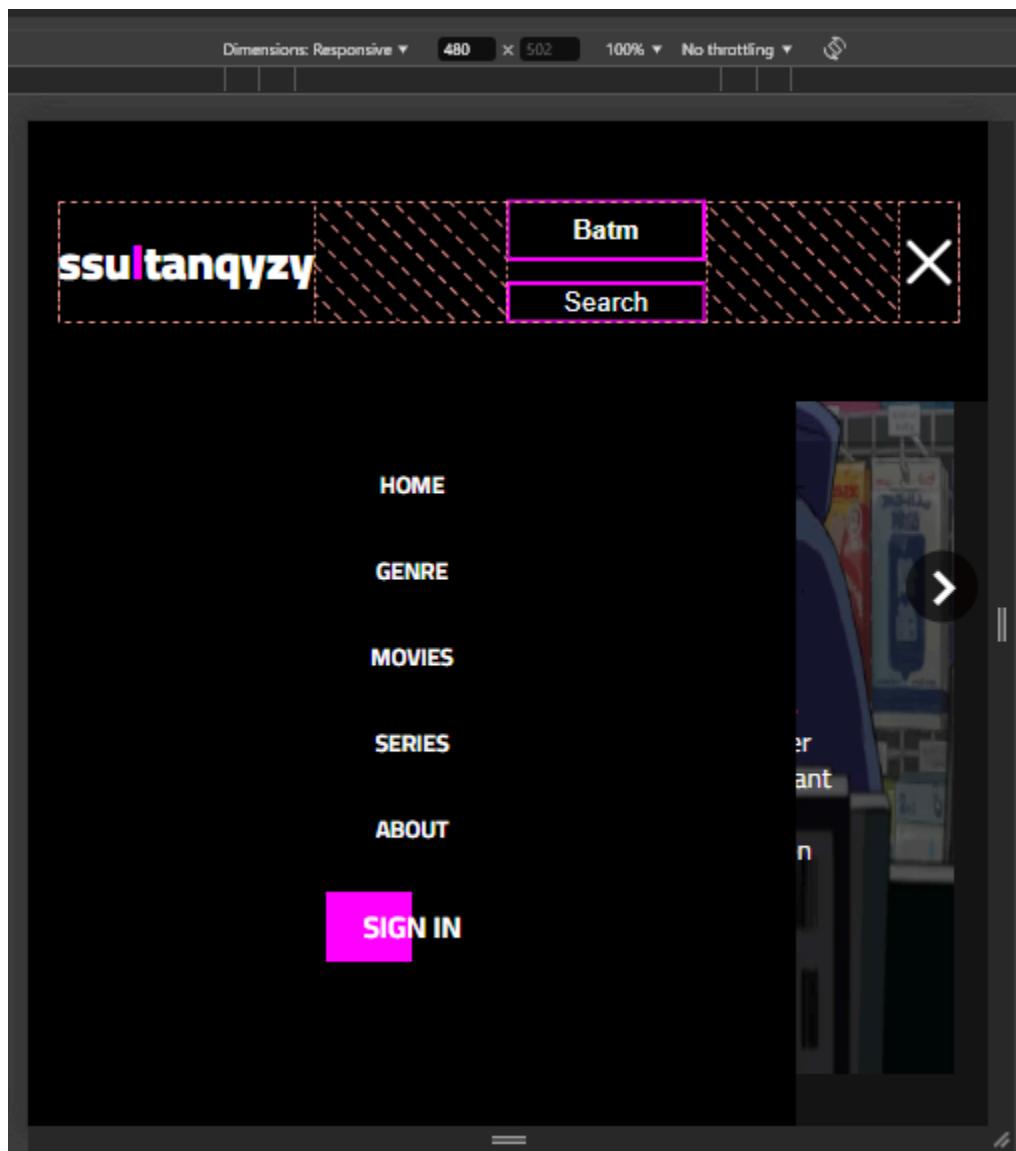


- **Carousel Integration:**
 - The homepage and watchlist utilize the Owl Carousel for intuitive navigation.



- **Hamburger Menu:**

- Responsive navigation for smaller screens is implemented with a hamburger menu.



- **Transitions and Animations:**

- CSS transitions and animations are used for modal displays and button hover effects for added visual appeal.

5. Watchlist Feature

- **Add to Watchlist:**
 - Users can add movies to their watchlist by clicking an "Add to Watchlist" button.
 - Watchlist movies are stored in the browser's `localStorage`, ensuring persistence across sessions.
- **Remove from Watchlist:**
 - Movies can be removed from the watchlist with a "Remove from Watchlist" button.
- **Watchlist Display:**
 - The watchlist is dynamically rendered and utilizes a carousel to show saved movies.

6. Additional Functionalities

- **Local Storage:**
 - The watchlist feature saves data using `localStorage`, allowing movies to persist even after page refreshes.
- **Modular JavaScript:**
 - The project follows organized JavaScript practices with clear functions for fetching, rendering, and event handling.
- **Error Handling:**
 - Console error logging is implemented for API errors or unexpected issues.

Project Structure

- **HTML:** Contains the base structure with sections for the movie display, search input, modals, and watchlist.
- **CSS (`grid.css`, `style.css`):** Includes styles for responsive layouts, modals, buttons, and other UI elements.
- **JavaScript (`script.js`):**
 - Handles data fetching from the API, DOM manipulation, event listeners for user interactions, and local storage operations.
 - Includes functions for:
 - Fetching and displaying trending and searched movies.
 - Managing the watchlist (add, remove, and display operations).
 - Preventing modals from opening when buttons are clicked.

How to Run the Project

1. Clone or download the project files.
2. Ensure you have an internet connection to access TMDb API and include the required API key in the `script.js`.
3. Open `index.html` in a web browser.
4. Explore the movie search, watchlist, and details by interacting with the UI.

Requirements Met

- **Responsive Design:** ✓
- **API Fetching:** ✓
- **Auto-Suggestion in Search:** ✓
- **Interactive Elements:** ✓ (Carousel, modal, hamburger menu, etc.)
- **Local Storage and Watchlist:** ✓
- **User Experience Enhancements:** ✓ (Transitions, animations, and error handling)