Front-End UI/UX Mini Project

Project Submission Template

1. Title Page

- **Project Title**: "Harry Potter Movie Webpage"

- **Submitted By**:

1. *Kuragayala Rachel*
   2462106
   kuragayala.rachel@btech.christuniversity.in

2. *Akshatha N*
   2462020
   Akshatha.n@btech.christuniversity.in

3. *Jerusha S*
   2462082
   jerusha.s@btech.christuniversity.in

- **Course**: *UI/UX Design Fundamentals*

- **Instructor Name**: *Dhiraj*

- **Institution**: *Christ University*

- **Date of Submission**: *10/08/2025*

2. Abstract

This project is a responsive, single-page website dedicated to one of my favorite movies. The primary goal was to create a visually engaging and thematically consistent movie information page that reflects the film's tone and genre. Key sections include a cinematic banner, a plot synopsis, cast profiles, user reviews with CSS-based star ratings, and a list of available streaming platforms. The design follows a dark, cinematic color scheme with Google Fonts for a film-poster feel, CSS box shadows, and image overlays to enhance aesthetics. The layout utilizes Flexbox and Grid for smooth content flow and responsiveness across devices. Core technologies used are HTML5 and CSS3, with an emphasis on multimedia integration. The final outcome is a polished and thematic movie showcase that enhances storytelling through design and structure.

3. Objectives

Project Goals

- Design a user-friendly interface using modern UI/UX principles that align with the movie's genre and tone

- Develop a fully responsive layout using only HTML5 and CSS3, ensuring optimal display on desktop, tablet, and mobile devices

- Implement structured HTML5 semantic elements (e.g., <header>, <section>, <article>, <footer>) for better readability and SEO

- Apply CSS styling for visual branding, including color themes, typography (Google Fonts), box shadows, and image overlays

- Ensure accessibility and readability by using proper contrast ratios, legible fonts, alt text for images, and keyboard-friendly navigation

4. Scope of the Project

This project focuses solely on the **front-end design and development** of a movie-themed informational webpage. It includes the creation of a single, responsive HTML/CSS page that visually represents the chosen movie's genre and content. The scope is intentionally limited to ensure simplicity, accessibility, and clean design.

- Focused on **front-end design only** using HTML5 and CSS3

- **No JavaScript** or server-side functionality is included

- Designed for **desktop, tablet, and mobile** viewports using responsive design techniques

- Built using **pure code** with only **open-source tools**; no external libraries, frameworks, or CMS used

5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome Dev Tools	Testing and debugging

6. HTML Structure Overview

- Used semantic HTML5 tags: <header>, <nav>, <main>, <section>, <footer>
- Structured into reusable, logical sections such as Banner, Synopsis, Cast, Reviews, and Where to Watch
- Navigation menu built with <ul> and anchor (<a>) links for smooth in-page navigation
- Ensured clean, accessible, and well-structured HTML for better readability and maintainability

7. CSS Styling Strategy

- Linked an external stylesheet: movie.css
- CSS organized using clear comments and section divisions for maintainability
- Key styling techniques used:
- **Flexbox and Grid** for responsive and structured layout (especially for cast and reviews)
- **Media Queries** to ensure layout adjusts across desktop, tablet, and mobile devices
- **CSS Variables** used for consistent theming and easy customization
- **Hover effects and smooth transitions** to enhance interactivity

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top nav with anchor links
Project Cards	Flex-based layout with hover effects
Accessible Fonts & Colors	High contrast and readable typography

9. Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Shifted to Flexbox and Grid
Typography scaling issue	Used relative units (em/rem) instead of px

10. Outcome

- Achieved a clean, consistent, and visually engaging front-end layout
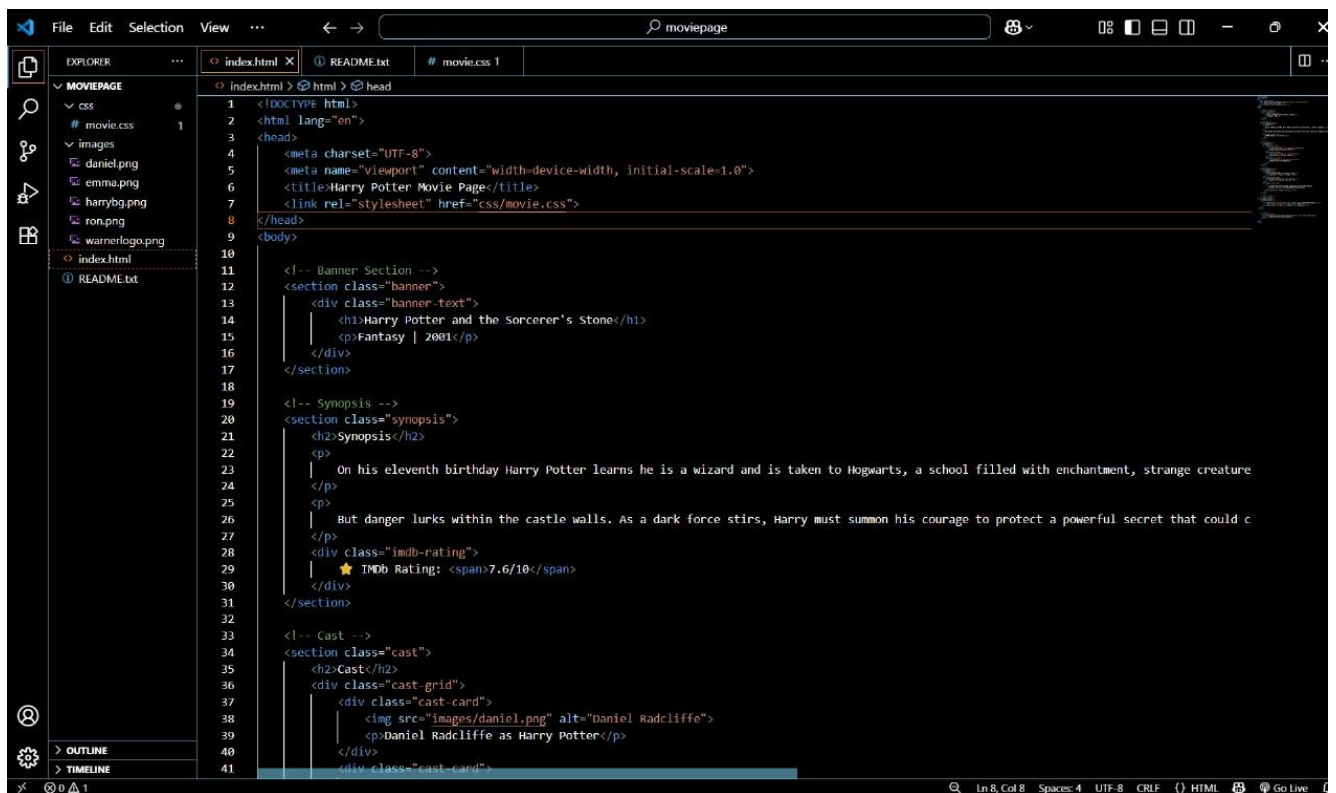
- All key components function as intended using just HTML and CSS

- Learned about layout responsiveness and UI hierarchy in depth

11. Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content)

- Integrate animations or transitions

- Backend integration for form submission

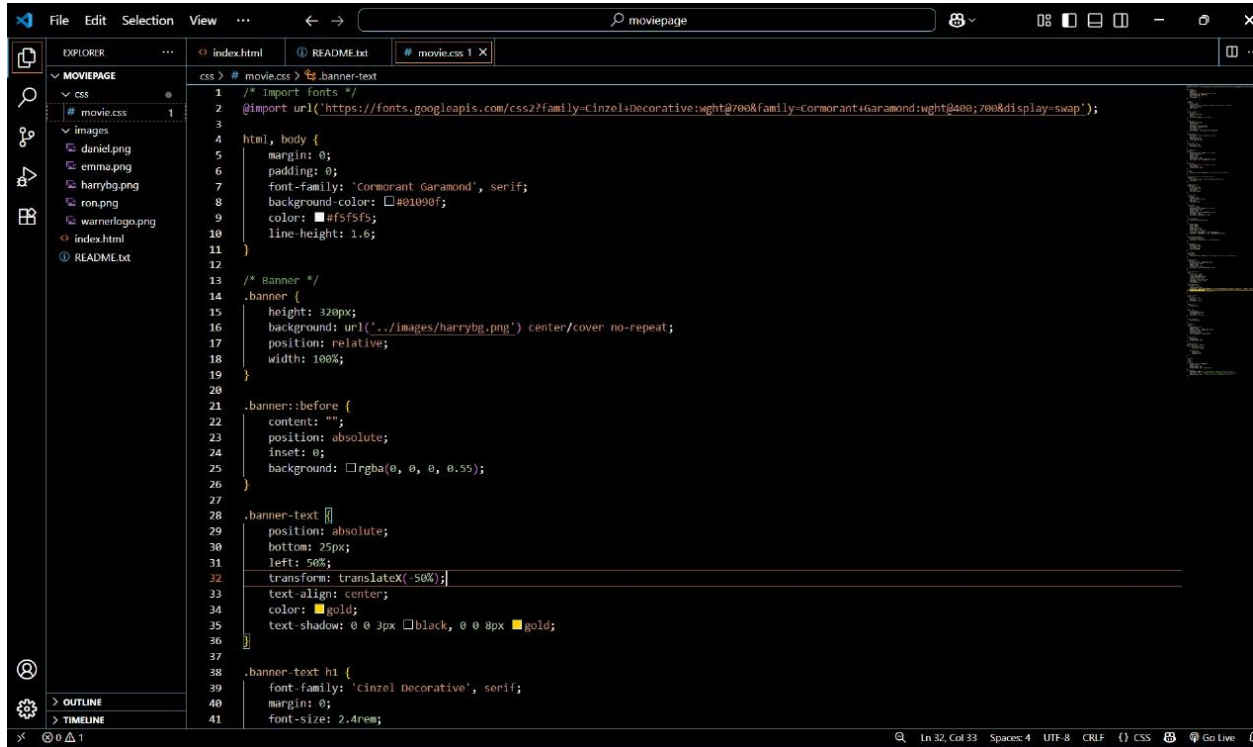- Theme toggler (light/dark mode)

12. Sample Code

- **HTML CODE**

- **CSS CODE**

13. Screenshots of Final Output
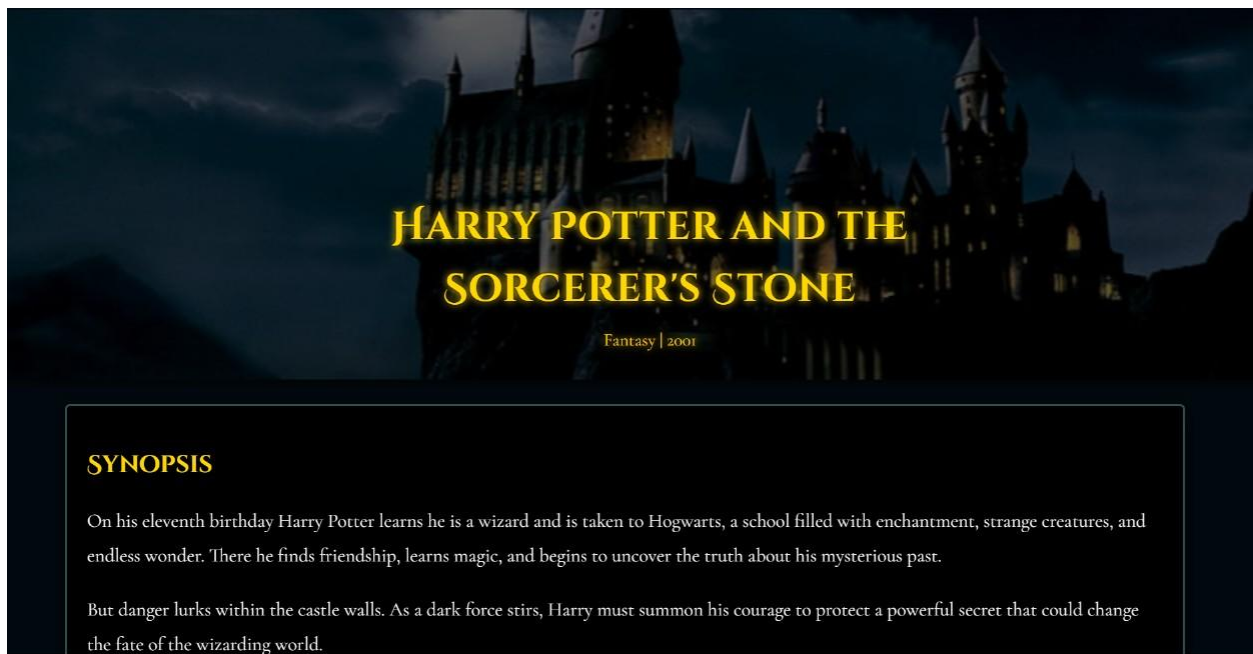
CAST

**Daniel Radcliffe as
Harry Potter**

**Emma Watson as
Hermione Granger**

**Rupert Grint as
Ron Weasley**

REVIEWS

REVIEWS

"An enchanting start to a magical saga!"

★★★★★
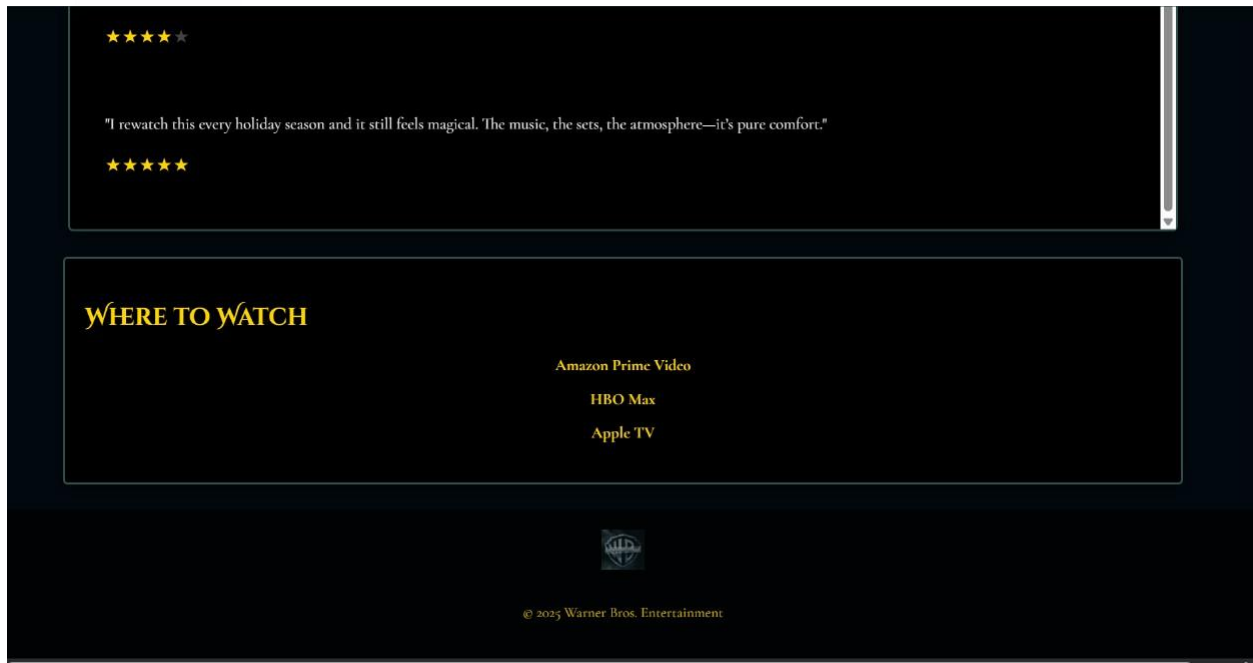
"A timeless fantasy that never gets old."

★★★★☆

WHERE TO WATCH

Amazon Prime Video

HBO Max

Apple TV

11. Conclusion

This project is a single-page movie information website that showcases a selected film's details, including its synopsis, cast, reviews, and streaming availability. Designed using only HTML and CSS, the page emphasizes thematic consistency, responsive layout, and engaging visual presentation.

Through this mini project, I strengthened my front-end development skills, particularly in structuring semantic HTML, applying CSS-based layouts with Flexbox and Grid, and implementing responsive. I also gained practical experience with visual styling techniques such as hover effects, transitions, and custom fonts. Overall, the project enhanced my understanding of user-focused design and the importance of visual storytelling in web development.

12. References

- L&T LMS : https://learn.lntedutech.com/Landing/MyCourse