

Front-End UI/UX Mini Project

Project Submission Template

1. Title Page

- **Project Title:**

Project -1 Movie Info

Project-2 Digital Business card

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- **Institution :** *Christ University*
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PROJECT - 1

Movie Information Webpage - Project Report

1) Abstract

This project presents a visually engaging movie information webpage, designed to showcase key details about a selected film in an organized and appealing format. The primary goal is to provide users with an immersive viewing experience, combining aesthetics with clear presentation of information such as synopsis, cast, reviews, and streaming platforms. The webpage is built entirely using HTML5 for structured content and CSS3 for styling, with a focus on responsive design to ensure accessibility across devices. Core features include a prominent banner section, well-structured content sections, and interactive hover effects. The chosen color palette and typography enhance readability while maintaining a cinematic feel. The final outcome is a fully responsive, user-friendly webpage template that can be adapted for any movie, making it useful for film enthusiasts, bloggers, or promotional sites.

2) Objectives

The main goals of this project are:

It Develops a clear user-friendly interface that follows modern UI / UX specifications while remaining clear, informative and visually aesthetic and enables ease of navigation. It also Develops a fully responsive layout created using only HTML5 and CSS3 that provides a suitable display and functionality on the desktop, tablet or mobile devices. More importantly it uses HTML5 semantic elements to organize the layout appropriately to improve content organization, as well as accessibility and search engine friendliness. It Uses CSS styling techniques to apply a uniform brand theme, manage layout structures of page components and include responsive design features. It Selects appropriate color contrasts and font styles that are accessible and readable for all users, especially for those who are visually impaired and in need of increased contrast and size.

3) Scope of the Project

The project focuses on the page design and implementation of the front-end of a movie information site. The informational content site will be structured for key information to be delivered about a movie, such as Film Title, Film Genre, Year of Release, Summary of the Movie, Acting Cast, Reviews, and Where to Watch it streamed. The design will occupy an interesting layout with a cinema feel, a responsive structure with user-friendly navigation. The implementation will be limited to using HTML5 for semantic structuring of the content and CSS3 for styling the content related to layout, responsiveness, and hover effects. No JavaScript, backend programming, and no server-side work was involved. The project is intended to work on all screen sizes desktop, tablet, and mobile, making it accessible and readable on all potential devices. Styling and layout logic was implemented using straight-up code and not using third-party libraries.

4) Tools & Technologies Used

Tool/Technology	Purpose
HTML5	To structure and organize the webpage content using semantic elements such as <header>, <section> and <footer>.
CSS3	To style the webpage, define the layout, color schemes, typography, and implement responsiveness .
VS Code	Code editor used for writing and editing HTML and CSS files efficiently.
Chrome DevTools	To preview, debug, and test the webpage's responsiveness across devices.

5)HTML Structure Overview

The HTML for the project utilizes semantic HTML5 tags to clearly define the content blocks and save the purpose of the sections as well as enhance accessibility. The major semantic elements include the following:

<header> - containing the name of the movie, the genre, and when it was released with a nice movie gradient background styling. for separate areas of content like the Banner, Synopsis, Cast, Reviews, and Where to Watch.

<section> - It has a unique identifiable look through the background colours applied in CSS and padding for separation.

<footer> - containing studio branding as well as copyright information.

The page is structured into user reusable sections, each an independent block of content: **Banner Section** - A large hero area with poster, tagline, and rating.

Synopsis Section - A couple descriptive paragraphs providing detail about what happens in the movie.

Cast Section - A grid view with the cast members images, and the character names.

Reviews Section - A horizontal scrolled container to display user submitted reviews.

Watch Section - A list of streaming platforms with the look of clickable cards.

The current version of the program has no style navigation thanks to the design of being a single page with not header-dominated scrolling orientation saves us further Layout and portability issues.

6)CSS Styling Strategy

The project uses an external CSS file (movie.css) to maintain a clean separation between content and styling. All styles are organized into logical sections corresponding to major components of the page (header, banner, synopsis, cast, reviews, watch section, and footer). Comments and grouped selectors help improve code readability and maintainability.

Key techniques applied include:

- **CSS Variables for theme customization** – Global colour palette and design variables are declared in the: root selector, allowing quick theme adjustments.
- **Flexbox and Grid layouts** – Flexbox is used for horizontal alignment in the header, banner content, reviews, and watch platforms. CSS Grid is applied to the cast section for a responsive, uniform layout.
- **Hover effects and transitions** – Interactive feedback is provided through scaling effects on cast cards and watch platform buttons, enhancing user engagement.
- **Mobile-first design approach** – Styles are created to function well on smaller screens first, then enhanced for larger viewports.

This strategy ensures that the webpage is visually cohesive, responsive across devices, and easy to update or repurpose for other movie titles.

7) Key Features

Feature	Description
Responsive Design	The layout adapts seamlessly to various screen sizes using CSS Grid, Flexbox, and media queries, ensuring accessibility on desktops, tablets, and smartphones.
Smooth Navigation	Clear sections, make scrolling easy and content quick to find.
Project Cards	Cast members displayed in stylish cards with hover effects.
Contact Form (non-functional)	Placeholder form layout for future use.
Accessible Fonts & Colors	Readable Google Fonts and high-contrast color scheme.

8). Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Fixed by adding media queries to adjust layouts for mobile.
Difficulty aligning items using float	Used CSS Grid instead of float for cleaner alignment.
Typography scaling issue	Resolved by using relative units instead of fixed pixel sizes.

9)Outcome

The project was able to create a clean, cohesive, and visually compelling front-end layout for a movie information webpage. All of the main components - including the banner, synopsis, cast cards, reviews, and streaming platform section - work exactly as intended using pure HTML5 and CSS3. We did not use any JavaScript, nor is any third party framework has been incorporated. The design is fully responsive and every view smoothly adapts to desktop, tablet, and mobile viewport via CSS Grid, Flexbox and media queries. Visual hierarchy has been preserved and the website uses good typography, maintains balance, and

applies a cinematic color palette determined through CSS variables. Through this project, we learned much more about the subject matter. We have a fuller understanding of layout responsiveness, the importance of semantic structure, UI hierarchy, ensuring the content is accessible and visually pleasing, no matter how it is being viewed.

10)Future Enhancements

Although the current version of the movie information page is entirely functional using only HTML and CSS, there are a number of ways it could be made much more interactive and usable:

Incorporate JavaScript for interactivity – Include features such as form validation, dynamically loading reviews, and potentially updating ratings interactively.

Add animations or transitions – Use animations to create a more enjoyable experience when the user moves through each section of the site, such as transitioning or animated entrances for text and fade-ins for cast images.

Backend integration for form submission – If you decided to add a contact or feedback form, you could link the input to a backend service to save or email the user provided input.

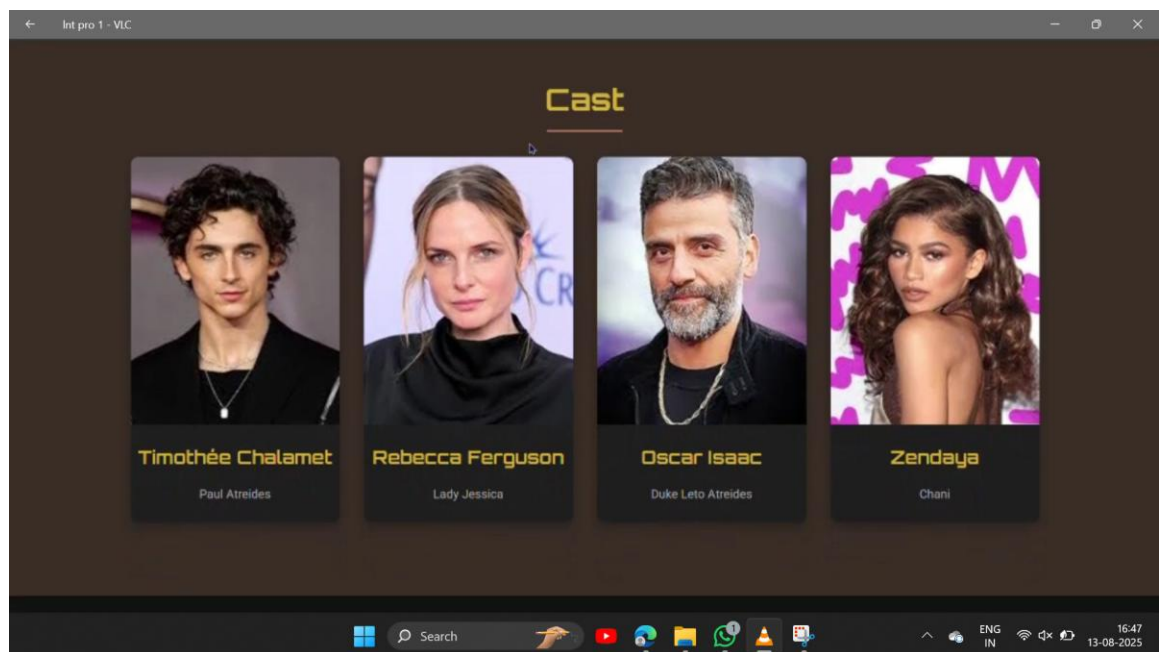
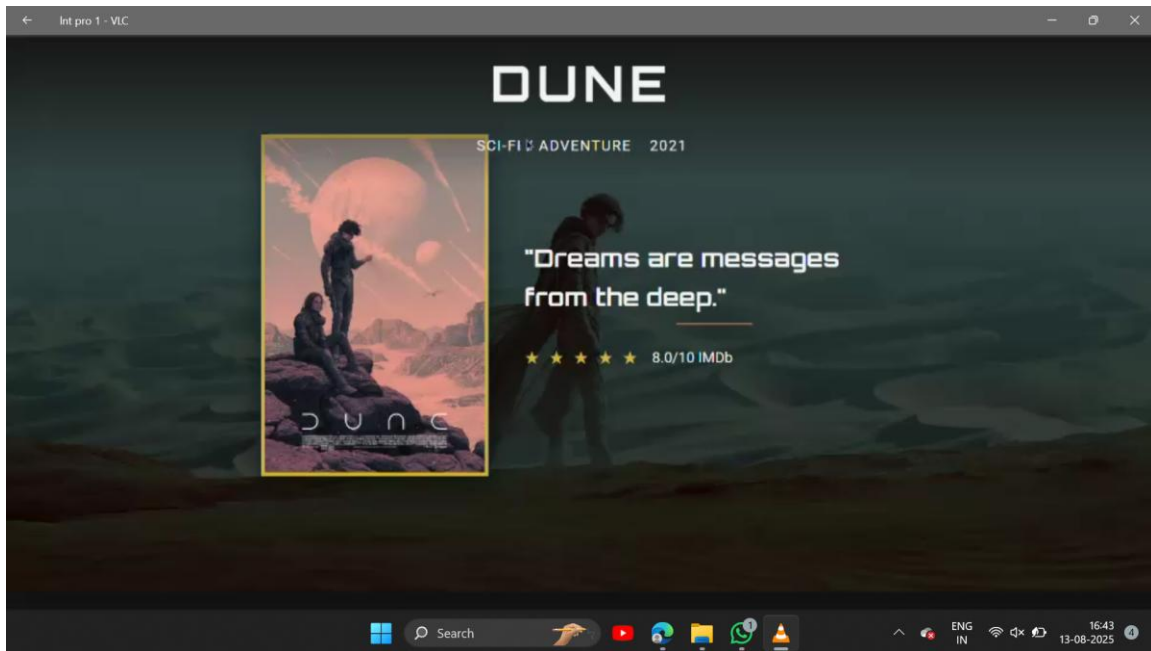
Theme toggler (light/dark) – Use CSS variables and toggle between light and dark modes with JavaScript to give users a different experience and enhanced access to personalization of the site.

11)screenshot of code

```
# movie.css 6
movie.css > # movie.css > *
1  /* Base Styles */
2  :root {
3    --primary-color: #9d6b53;
4    --secondary-color: #3a2e26;
5    --accent-color: #d4af37;
6    --dark-bg: #121212;
7    --light-text: #f5f5f5;
8    --dark-text: #333;
9    --card-bg: #1e1e1e;
10   --overlay: rgba(0, 0, 0, 0.7);
11 }
12
13 * {
14   margin: 0;
15   padding: 0;
16   box-sizing: border-box;
17 }
18
19 body {
20   font-family: 'Roboto', sans-serif;
21   color: var(--light-text);
22   background-color: var(--dark-bg);
23   line-height: 1.6;
24 }
25
26 .container {
27   width: 90%;
28   max-width: 1200px;
29   margin: 0 auto;
30   padding: 2rem 0;
31 }
32
33 h1, h2, h3 {
```

```
movie.css > # movie.css > *
34
35 h1, h2, h3 {
36   font-family: 'Orbitron', sans-serif;
37   font-weight: 700;
38   margin-bottom: 1rem;
39 }
40
41 h1 {
42   font-size: 4rem;
43   text-transform: uppercase;
44   letter-spacing: 0.5rem;
45 }
46
47 h2 {
48   font-size: 2.5rem;
49   color: var(--accent-color);
50   text-align: center;
51   margin-bottom: 2rem;
52   position: relative;
53 }
54
55 h2::after {
56   content: '';
57   display: block;
58   width: 100px;
59   height: 3px;
60   background: var(--primary-color);
61   margin: 0.5rem auto;
62 }
63
64 h3 {
65   font-size: 1.5rem;
66   color: var(--accent-color);
```

12)screenshot of output



11) Conclusion

This project is a movie information webpage displaying film details like synopsis, cast, reviews, and streaming options in a clean, organized manner. Built entirely with HTML5 and CSS3, it demonstrates responsive layout techniques, semantic structuring, and effective UI design. Developing this site improved skills in CSS

Grid, Flexbox, and media queries, as well as color and typography management. The project reinforced the importance of user-centric design and clean code practices, resulting in a template that is both functional and adaptable for different movies.

References

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

PROJECT – 2

BUSINESS CARD

1. Abstract

This project focuses on designing and developing a clean, responsive web page that introduces a team through visually engaging business cards. Each card includes a profile image, name, job title, a short bio, and clickable links to email, LinkedIn profiles, and personal portfolios. The main goal was to create a simple yet professional layout that makes it easy for users to learn about each team member and connect with them directly. HTML and CSS were used to build the structure and design, while Font Awesome icons were integrated to enhance the interface with recognizable visuals. A key focus was ensuring the design remains responsive and user-friendly across various devices, from desktops to smartphones. The final outcome is a polished and functional team section that can be embedded into a larger website or used as a standalone introduction page. It improves visibility, adds personality to the team, and encourages professional networking

2. Objectives

- Create a simple, clean interface that makes it easy to view and understand each team member's profile.
- Build a layout that works well on all screen sizes, using only HTML and CSS.
- Use semantic HTML5 elements to keep the code organized and accessible.

- Style the cards and layout with CSS to reflect a consistent and modern design.
- Add Font Awesome icons to make links instantly recognizable and user-friendly.
- Make sure the page is accessible, readable, and easy to navigate on both desktop and mobile devices.
- Include clear and direct links to email, LinkedIn, and portfolio pages to encourage easy communication.

3)Scope of the Project

This project focuses entirely on the front-end design of a team profile page. The goal was to create a clean and responsive layout using only HTML and CSS, without involving any JavaScript or server-side technologies. It was designed to work smoothly across desktop, tablet, and mobile devices, ensuring a consistent experience regardless of screen size. The project intentionally avoids using external libraries or frameworks, relying instead on pure, handwritten code and open-source resources like Font Awesome for icons. This allowed for full control over the design and structure while keeping things lightweight and easy to maintain. The scope is limited to static content presentation and does not include dynamic features like contact forms, animations, or database connections.

4)Tools & Technologies Used

Tool/Technology	Purpose
HTML5	To build the basic structure of the web page.
CSS3	To style the cards and make the layout look nice and responsive.
VS Code	The text editor used to write and edit the code.
Chrome DevTools	To check how the page looks on different screen sizes and fix issues.

5)HTML Structure Overview

The page is organized using clear and meaningful HTML elements to keep the content easy to understand.

Each team member’s card is wrapped in a reusable section that groups their photo, name, job title, bio, and contact links together.

While the current code doesn’t use semantic tags like `<header>`, `<nav>`, or `<main>`, it’s structured with `<div>` containers to separate different parts for easy styling and future improvements.

The contact links are implemented using anchor tags (`<a>`) that open email, LinkedIn, and portfolio pages directly.

For improved navigation, adding a menu with `<nav>` and a list (``) of links could allow smooth scrolling to different sections if the page grows larger.

6) CSS Styling Strategy

We kept all the styling in a separate file called `style.css` to keep things neat and easy to update.

The CSS is organized with clear sections and comments, making it simple to understand and maintain.

For the layout, we used Flexbox and Grid — these help arrange the cards nicely and make sure everything lines up perfectly on different screen sizes.

We added media queries so the design adjusts smoothly on phones, tablets, and desktops, keeping the site responsive and user-friendly.

Using CSS variables makes it easy to control colors and themes across the whole page without repeating code, so if we want to tweak the gold or background color, we only change it in one place.

Small animations like hover effects and smooth transitions give the buttons and images a nice interactive feel when you move your mouse over them.

The design follows a mobile-first approach, which means it’s built to look great on small screens first and then scale up for bigger devices.

7)Key Features

Feature	Description
Responsive Design	Cards adjust smoothly for all devices.
Smooth Navigation	Ready for easy scrolling with anchor links.
Project Cards	Clean, interactive team member cards with hover effects.
Contact Form (non-functional)	Placeholder layout for future contact form.
Accessible Fonts & Colors	Clear fonts and good contrast for readability.

8) Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Fixed by using media queries to stack items vertically.
Difficulty aligning items using float	Switched to Flexbox and Grid for easier layout control.
Typography scaling issue	Used flexible units like em and rem instead of fixed pixels.

9)Outcome

This project resulted in a clean and attractive set of digital business cards that display team member info clearly and professionally. By using just HTML and CSS, the cards adapt smoothly to different screen sizes, making them easy to view on phones, tablets, or desktops. The layout highlights each person's photo, role, and contact links in a neat, organized way. Hover effects add a nice interactive touch without overwhelming the design. Overall, this project helped me understand how to build responsive, visually balanced pages with simple tools while keeping user experience in mind.

10) Future Enhancements

Looking ahead, there are a few cool things we can add to make the project even better. First, by adding JavaScript, we can make the website more interactive. For example, we could check if the contact form is filled out correctly before it gets submitted, which would help users avoid mistakes. We can also introduce smooth animations and transitions to make the experience more enjoyable and polished when people hover over buttons or move through the site. Another important upgrade would be connecting the contact form to a backend service. This way, when someone sends a message, it actually reaches the team instead of just being a placeholder. Lastly, adding a theme switcher to toggle between light and dark modes would be a nice touch. It lets users pick the style they prefer and can make the site easier on the eyes in different lighting conditions.

11) Screenshot of code

```
# styles.css 2 ...
1
2
3 * {
4   margin: 0;
5   padding: 0;
6   box-sizing: border-box;
7   font-family: 'Arial', sans-serif;
8 }
9
10 body {
11   background-color: #121212;
12   color: #e0e0e0;
13   line-height: 1.6;
14 }
15
16 /* Header styles */
17 header {
18   background-color: #000000;
19   color: #FFD700;
20   text-align: center;
21   padding: 2rem 0;
22   border-bottom: 3px solid #FFD700;
23 }
24
25 header h1 {
26   font-size: 2.5rem;
27   letter-spacing: 2px;
28 }
29
30 /* Main content styles */
31 main {
32   padding: 2rem;
33 }
34
35 .card-section {
36   max-width: 1200px;
37   margin: 0 auto;
```

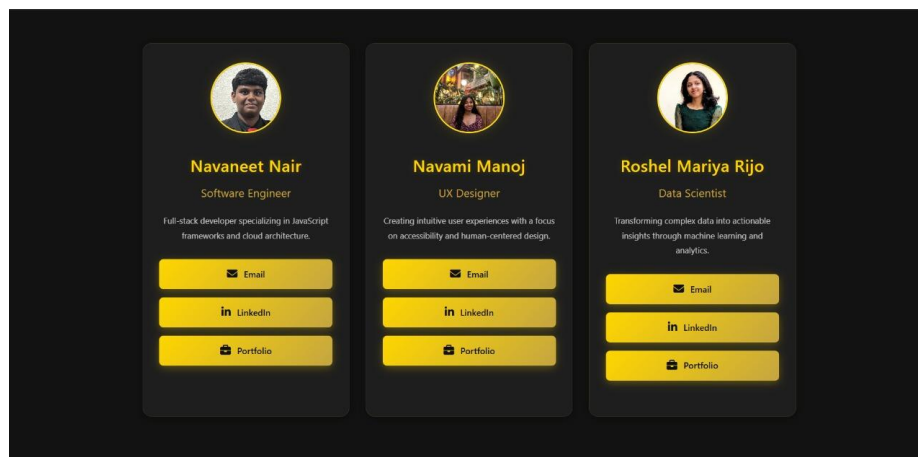
```
38
39 .card {
40   background-color: #1e1e1e;
41   border: 1px solid #FFD700;
42   border-radius: 8px;
43   margin-bottom: 2rem;
44   padding: 2rem;
45   box-shadow: 0 4px 8px rgba(255, 215, 0, 0.1);
46   transition: transform 0.3s ease;
47 }
48
49 .card:hover {
50   transform: translateY(-5px);
51 }
52
53 .card h2 {
54   color: #FFD700;
55   margin-bottom: 0.5rem;
56   font-size: 1.8rem;
57 }
58
59 .job {
60   color: #bdbdbd;
61   font-style: italic;
62   margin-bottom: 1rem;
63   font-size: 1.2rem;
64 }
65
66 .description {
67   margin-bottom: 1.5rem;
68   color: #e0e0e0;
69 }
70
71 .contact {
72   margin-top: 1.5rem;
73   padding-top: 1.5rem;
```

```

index.html > html > body > main > section.card-section > div#navaneet.card > div.card-content > div.contact
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Business Cards</title>
7   <link rel="stylesheet" href="styles.css">
8 </head>
9 <body>
10 <header>
11   <h1>Business Cards</h1>
12 </header>
13
14 <main>
15   <section class="card-section">
16     <div class="card" id="navaneet">
17       <div class="card-content">
18         <h2>Navaneet Nair</h2>
19         <p class="job">Digital Marketing Specialist</p>
20         <p class="description">Helping businesses grow their online presence through strategic marketing campaigns and data analysis</p>
21         <div class="contact">
22           <p>Email: navaneet.nair@example.com</p>
23           <p>Phone: (555) 123-4567</p>
24         </div>
25       </div>
26     </div>
27
28     <div class="card" id="navami">
29       <div class="card-content">
30         <h2>Navami Manoj</h2>
31         <p class="job">UX/UI Designer</p>
32         <p class="description">Creating intuitive and beautiful user experiences for web and mobile applications with a focus on accessibility</p>
33         <div class="contact">
34           <p>Email: navami.manoj@example.com</p>
35           <p>Phone: (555) 234-5678</p>
36         </div>

```

12) Screenshots of Final Output



13) Conclusion

This project is a simple, clean team business card webpage built using only HTML and CSS. It showcases three team members, each with their photo, name, role, a short bio, and quick links to email, LinkedIn, and portfolio sites. The layout is designed to be responsive, so it looks good on any device, from phones to desktops.

Working on this helped me improve my skills in building structured layouts and applying CSS for styling and responsiveness. It also gave me practical experience in using semantic HTML and organizing content clearly. Overall, this mini project deepened my understanding of how to create user-friendly, attractive, and accessible web pages without relying on complex tools just solid HTML and CSS fundamentals.

14) References

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