

Front-End UI/UX Project

Project Title: Movie Info Page

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Course: UI/UX Design Fundamentals

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Date of Submission: 13/08/2025

2. Abstract

The Movie Info Page is a single-page, fully responsive HTML/CSS project presenting key information about a selected movie. It includes sections for banner, synopsis, cast list, reviews, and streaming availability. Built with pure HTML5 and CSS3, it emphasizes themed design, typography hierarchy, and layout clarity without relying on JavaScript.

3. Objectives

- Design user-friendly interfaces using modern UI principles.
- Develop fully responsive layouts using only HTML and CSS.
- Implement structured HTML5 semantic elements.
- Apply CSS styling for branding, layout, and responsive behavior.
- Ensure accessibility and readability across devices.

4. Scope of the Project

- Entirely focused on front-end design.
- No JavaScript or server-side integration.
- Designed for desktop, tablet, and mobile viewports.
- Only open-source tools and pure HTML/CSS (no libraries).

Tools & Technologies Used

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

6. HTML Structure Overview

- Used semantic tags: <header>, <nav>, <main>, <section>, <article>, <footer>.
- Sections include Header, Banner, Synopsis, Cast, Reviews, Where to Watch.
- Navigation menus use with anchor links for smooth scrolling.

7. CSS Styling Strategy

- Used external CSS files (style.css for portfolio, movie.css for movie page).
- Organized with comments and sections for easy maintenance.
- Techniques used:
 - Flexbox and Grid for layout
 - Media Queries for responsiveness
 - CSS variables for theme customization
 - Hover effects and transitions
 - Mobile-first design approach

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top navigation with anchor links
Movie Cards	Flex/Grid layouts with hover effects
Contact Form (non-functional)	Placeholder inputs and button layout
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	Switched to Flexbox and Grid
Typography scaling issues	Used relative units (em/rem) instead of px

10. Outcome

- Created clean, consistent, and visually engaging front-end layouts for both projects.
- All components function as intended using only HTML and CSS.
- Gained hands-on experience with responsive design, semantic HTML, and UI hierarchy.

11. Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content).
- Integrate animations or transitions.
- Backend integration for contact form submission.
- Theme toggle (light/dark mode).

12. Sample Code

-1.Body for Main Page

```
<body class="dark">

<header class="site-header">
  <div class="container header-inner">
    <h1 class="title">Interstellar</h1>
    <div class="meta">Sci-Fi • Adventure • Drama • 2014</div>
  </div>
</header>

<section class="banner" aria-label="Movie banner">
  
  <div class="banner-overlay">
    <div class="container banner-content">
      <div class="poster-card">
        
      </div>
    </div>
  </div>
</section>
```

```
<div class="banner-text">  
  <h2 class="movie-title">Interstellar</h2>  
  <p class="tagline">"Mankind was born on Earth. It was never meant to die here."</p>  
  <div class="rating-inline">  
    <span>★</span>  
    <span class="rating-num">IMDb 8.7 / 10 |</span>  
    <span class="rating-num">Rotten Tomatoes 86%</span>  
  </div>  
  </div>  
  </div>  
  </div>  
</section>
```

```
<main class="container main-content">  
  <section id="synopsis" class="synopsis card">  
    <h3>Synopsis</h3>  
    <p>  
      In a near-future Earth ravaged by environmental collapse and dwindling resources, former NASA pilot Joseph Cooper is recruited for a secret mission to find a new home for humanity. Traveling through a wormhole near Saturn, Cooper and a team of scientists explore distant planets in another galaxy, each offering hope but also peril. As they contend with harsh worlds, time dilation, and personal sacrifice, Cooper must make impossible choices to save both his crew and his family back on Earth. Blending science, emotion, and the vast unknown, <strong>Interstellar</strong> is a gripping journey about survival, love, and humanity's place in the cosmos.  
    </p>  
    <p>  
      As the crew faces alien worlds, time distortions, and the limits of human endurance,  
      <strong>Interstellar</strong> delivers a breathtaking blend of science, emotion, and cosmic adventure.  
    </p>  
  </section>
```

```
<section id="cast" class="cast card">
```

```
  <h3>Cast & Crew</h3>
```

```

<h4>Technical Team</h4>

<div class="cast-grid">

  <figure class="cast-card">
    
    <figcaption>
      <strong>Christopher Nolan</strong>
      <span>— Director</span>
    </figcaption>
  </figure>

  <figure class="cast-card">
    
    <figcaption>
      <strong>Jonathan Nolan</strong>
      <span>— Writer</span>
    </figcaption>
  </figure>

  <figure class="cast-card">
    
    <figcaption>
      <strong>Hans Zimmer</strong>
      <span>— Composer</span>
    </figcaption>
  </figure>

</div>

```

Corresponding CSS code

```

/* header properties */

.site-header{
  position:sticky;

```

```
    top:0;
    backdrop-filter: blur(6px);
    z-index:30;
    border-bottom: 2px solid rgba(255,255,255,0.4);
    border-bottom-left-radius: 5px;
    border-bottom-right-radius: 5px;
}


```

```
.header-inner{
    display:flex;
    align-items:center;
    justify-content:space-between;
    padding:18px 0;
}


```

```
.title{
    font-family: Poppins,'Playfair Display',serif;
    font-size:1.6rem;
    margin:0;
}
.meta{
    color:var(--muted);
    font-size:0.95rem;
}


```

```
/* banner properties */

.banner{
    position:relative;
    height:60vh;
    min-height:380px;
    display:block;
}
```

```
    overflow:hidden;
}

.banner img.banner-fallback{
    display:none;
    width:0;
    height:0;
}

.banner::before{
    content:"";
    position:absolute;
    inset:0;
    background-image:url('./poster1.jpg');
    background-size:cover;
    background-position:center;
    filter:brightness(0.7);
    z-index: 0;
}

.banner-overlay{
    position:absolute;
    inset:0;
    background:linear-gradient(180deg, rgba(7,6,10,0.0), rgba(7,6,10,0.75));
    z-index: 1;
    display:flex;
    align-items:flex-end;
}

.banner-content{
    display:flex;
    gap:20px;
    padding:28px 0;
    align-items:end;
    z-index: 2;
```

```
}

.poster-card{
    width:150px;
    flex:0 0 150px;
    border-radius:10px;
    overflow:hidden;
    box-shadow:0 10px 30px rgba(0,0,0,0.7)
}

.poster-thumb{
    width:100%;
    height:100%;
    object-fit:cover;
    display:block
}

.banner-text{
    color:#fff
}

.movie-title{
    font-family: Poppins,'Playfair Display',serif;
    margin:0;
    font-size:2rem
}

.tagline{
    color:var(--muted);
    margin:6px 0
}

.rating-inline{
    display:flex;
    align-items:center;
    gap:10px;
    margin-top:8px
}
```

```

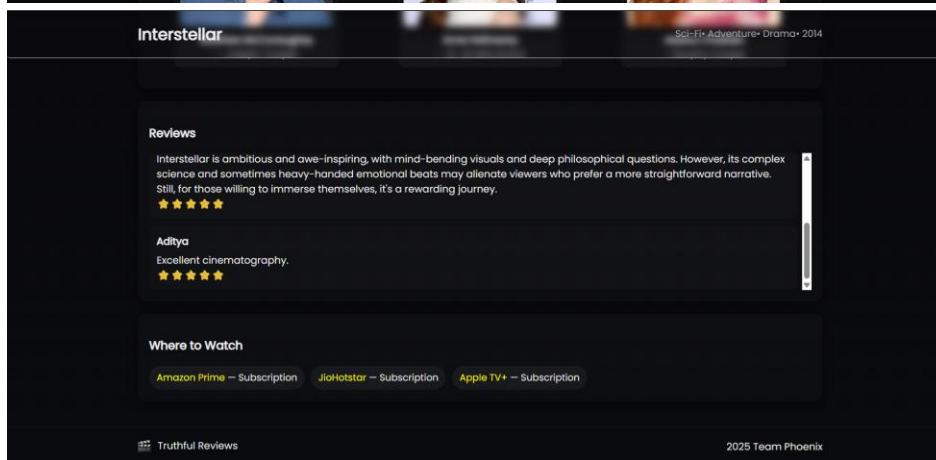
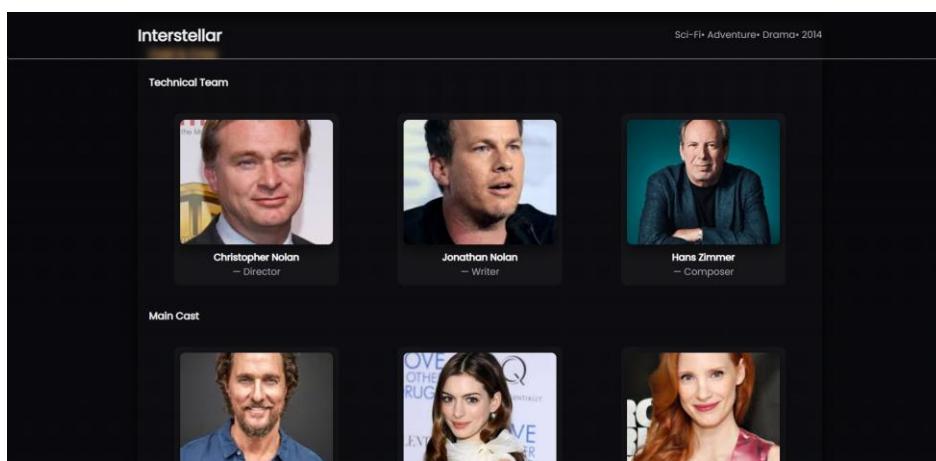
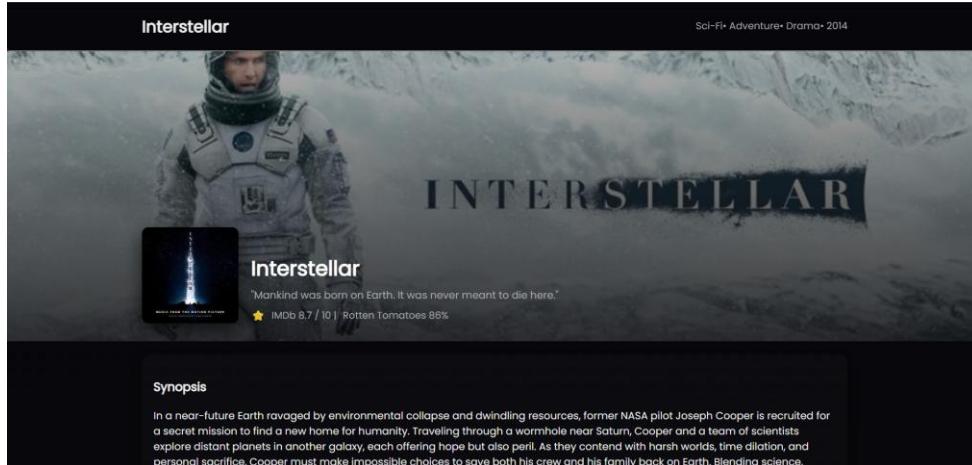
        }

.rating-num{
    color:var(--muted);
    font-size:0.95rem
}

```

13. Screenshots of Final Output

DESKTOP VIEW:



MOBILE VIEW:

The image consists of two side-by-side mobile browser screenshots of a movie information website for "Interstellar".

Left Screenshot (Landing Page):

- Header:** Interstellar (Sci-Fi Adventure Drama 2014)
- Main Image:** An astronaut in a spacesuit standing in a desolate, rocky landscape.
- Title:** INTERSTELLAR
- Synopsis:** A near-future Earth ravaged by environmental collapse and dwindling resources, former NASA pilot Joseph Cooper is recruited for a secret mission to find a new home for humanity. Traveling through a wormhole near Saturn, Cooper and a team of scientists explore distant planets in another galaxy, each offering hope but also peril. As they contend with harsh worlds, time dilation, and personal sacrifice, Cooper must make impossible choices to save both his crew and his family back on Earth. Blending science, emotion, and the vast unknown, *Interstellar* is a gripping journey about survival, love, and humanity's place in the cosmos.
- Cast & Crew:** Matthew McConaughey (Joseph Cooper), Anne Hathaway (Dr. Amelia Brand), Jessica Chastain (Murphy Cooper).
- Reviews:** Priya (Summary: "Mankind was born on Earth. It was never meant to die here.")
- Ratings:** IMDb 8.7 / 10 | Rotten Tomatoes 86%

Right Screenshot (Cast & Crew Page):

- Header:** Interstellar (Sci-Fi Adventure Drama 2014)
- Cast & Crew:** Christopher Nolan (Director), Jonathan Nolan (Writer), Hans Zimmer (Composer).
- Main Cast:**
 - Matthew McConaughey (Joseph Cooper)
 - Anne Hathaway (Dr. Amelia Brand)
 - Jessica Chastain (Murphy Cooper)
- Reviews:** Priya (Summary: "Interstellar is ambitious and awe-inspiring, with mind-bending visuals and deep philosophical questions. However, its complex science and sometimes heavy-handed emotional beats may alienate viewers who prefer a more straightforward narrative. Still, for those willing to immerse themselves, it's a rewarding journey.")
- Where to Watch:** Amazon Prime — Subscription, JioCinema — Subscription, Apple TV+ — Subscription.

Conclusion

This mini project strengthened our front-end development skills using only HTML and CSS. We practiced creating responsive designs, maintaining layout consistency, and applying design principles to real-world use cases. Both projects enhanced our understanding of semantic HTML, CSS layout systems, and user-centric web design.

15. References

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