



Front-End UI/UX Mini Project

Project 2

1. Title Page

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- **Course:** *e.g., UI/UX Design Fundamentals*
- **Instructor Name:** *Dhirag*
- **Institution:** *Christ University*
- **Date of Submission:** *11/08/2025*

2. Abstract

This project is a responsive movie information webpage dedicated to the film *Tropic Thunder*. It presents an engaging user interface showcasing the synopsis, cast, crew, trivia, reviews, and streaming platforms. The design integrates Tailwind CSS for modern styling and Google Fonts for typography. It also embeds an official trailer from YouTube. The goal is to create a visually appealing, well-structured page that enhances user engagement while maintaining accessibility across devices.

3. Objectives

- Create an engaging, user-friendly movie information website.
- Apply responsive design principles for compatibility across devices.
- Showcase structured HTML5 semantic elements for content clarity.
- Integrate Tailwind CSS for styling, layout, and branding.



- Embed multimedia (YouTube trailer) and images to enhance user experience.

4. Scope of the Project

The project focuses solely on front-end design using HTML and Tailwind CSS. No backend or server-side scripting is implemented. It is intended for desktop, tablet, and mobile users. All assets are sourced from public and open sources.

5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Content structuring and semantic markup
Google Fonts	Custom typography
Font Awesome	Icon integration (star ratings)
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

6. HTML Structure Overview

- Semantic tags: `<header>`, `<main>`, `<section>`, `<footer>`.
- Structured into key sections: Banner, Synopsis, Cast, Crew, Fun Stuff (Trailer & Trivia), Reviews, Where to Watch.
- Grid and flex layouts used for arranging content.
- Embedded YouTube trailer using `<iframe>`.

7. CSS Styling Strategy

- Styling done using Tailwind CSS classes and a small custom `<style>` block.
- Custom fonts applied via Google Fonts (Graduate, Lato).



- Hover effects on cards for interactivity.
- Responsive grid layout for cast and crew sections.
- Mobile-first design with scalable typography.

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Movie Synopsis	Clear and concise film description.
Cast & Crew Cards	Images with roles displayed using grid layouts.
Fun Facts Section	Trivia list styled with icons.
Reviews Section	Star ratings with reviewer comments.
Streaming Links	Logos of platforms where the movie is available.

9. Challenges Faced & Solutions

Challenge	Solution
Maintaining image proportions across cast cards	Used object-fit: cover and fixed height for uniformity
Ensuring readability over banner background	Added gradient overlay to banner images
Making grids responsive	Used Tailwind's responsive grid classes (grid-cols-*)

10. Outcome

Successfully developed a visually rich, responsive, and organized movie information site. The final result is an engaging UI that effectively combines media, text, and design for a pleasant browsing experience.

11. Future Enhancements

- Add a search or filter feature for cast and crew.



- Include user-submitted reviews with ratings.
- Add animations for transitions between sections.
- Implement dark/light mode toggling.

12. Sample Code

```
<header class="banner-section h-screen flex items-center justify-center text-center text-white">
  <div>
    <h1 class="font-main-title text-8xl md:text-9xl">Tropic Thunder</h1>
    <p class="font-bold text-2xl md:text-3xl mt-4 bg-black bg-opacity-50 px-4 py-2 rounded">
      <span>Action / Comedy</span> | <span>2008</span>
    </p>
  </div>
</header>
```

This section displays the full-screen banner with a background image and a gradient overlay for readability.

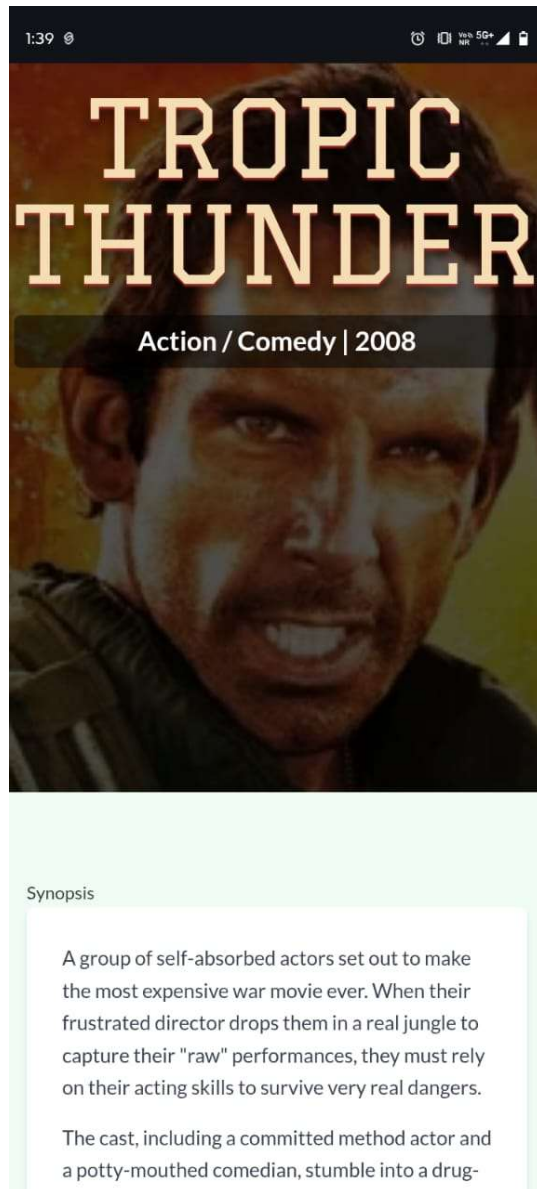
```
<div class="card text-center">
  
  <div class="p-4">
    <h3 class="font-bold text-xl text-gray-800">Actor Name</h3>
    <p class="text-green-600 font-semibold">as Character Name</p>
  </div>
</div>
```

This reusable card layout shows each cast member's image, name, and role using Tailwind's responsive classes.

```
<div class="trailer-container">
  <iframe src="https://www.youtube.com/embed/T-6YhRZowgc"
    title="YouTube video player"
    frameborder="0"
    allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture"
    allowfullscreen>
  </iframe>
</div>
```

This container keeps the trailer responsive with a fixed aspect ratio.

13. Screenshots of Final Output



Mobile View



Desktop View

14. Conclusion

The *Tropic Thunder – Movie Information Website* project successfully applied modern front-end techniques using HTML and Tailwind CSS to create a responsive and interactive movie info portal. This project improved skills in responsive layout design, typography management, and multimedia integration, while reinforcing semantic HTML practices and user-focused design.

15. References

- L&T LMS : <https://learn.lntedutech.com/Landing/MyCourse>
- Tailwind CSS Documentation
- Google Fonts
- Font Awesome
- Public image assets from Wikimedia Commons and other open sources