# Front-End UI/UX Mini Project

# Project Submission Template

### 1. Title Page

- **Project Title**: *e.g., "Responsive Portfolio Website for a Freelancer"*

- **Submitted By**:

    - *Team Members- Full Name*

    - *Roll Number*

    - *College-E-mailid*

- **Course**: *e.g., UI/UX Design Fundamentals*

- **Instructor Name**: *e.g., Faculty Name.*

- **Institution**: *e.g., Christ University*

- **Date of Submission**: *DD/MM/YYYY*


### 2. Abstract

A short summary (100–150 words) of the project including:

- What the project is about

- The key goal of the project

- Core technologies used

- Final outcome and usefulness

*Example*:
This project aims to design and develop a responsive personal portfolio website using only HTML and CSS. The website showcases the user's skills, projects, resume, and contact form. The focus was on clean UI, responsive layout, and visual hierarchy.

### 3. Objectives

Clearly list the project goals:

- Design a user-friendly interface using modern UI principles

- Develop a fully responsive layout 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

Explain what the project includes and any boundaries:

- Focused on front-end design only

- No JavaScript or server-side integration

- Intended for desktop, tablet, and mobile viewports

- Used only open-source tools and pure code (no libraries)

## 5. 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>, <footer>

- Structured into reusable sections: About, Projects, Contact

- Navigation menu using <ul> and anchor links for smooth scrolling

## 7. CSS Styling Strategy

- Used external CSS file (style.css)

- Organized with comments and sections

- Techniques used:

  o Flexbox and Grid for layout

  o Media Queries for responsiveness

o CSS Variables for theme customization

o Hover effects and transitions

o Mobile-first design approach

## 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 |
| Contact Form (non-functional) | Placeholder layout for inputs and button |
| 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

- *(Insert 2/3 screens code of the project with captions)*

## 13. Screenshots of Final Output

*(Insert all the screenshots of the project across different devices with captions)*

## 11. Conclusion

Summarize your project & learning:

This is a personal portfolio website showcases the user's skills, projects, resume, and contact form.

This mini project helped me strengthen my front-end development skills using only HTML and CSS. I gained practical insights into responsive design, layout structuring, and user interface aesthetics. The hands-on implementation of design principles also enhanced my understanding of user-centric web design.

## 12. References

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