Front-End UI/UX Mini Project

Project Submission Template

1. Title Page

- **Project Title**: *RECIPE_BLOG*

- **Submitted By**:

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- **Course**: *Front-End UI/UX*

- **Instructor Name**: *Dhiraj*

- **Institution**: *Christ University*

- **Date of Submission**: *12/08/2025*

2. Abstract

This project focuses on designing and developing a responsive Recipe Blog website that allows users to explore, share, and save a variety of recipes. The key goal is to create an engaging and user-friendly platform where food enthusiasts can easily search for recipes, view detailed instructions, and discover new culinary ideas. The blog is designed with an emphasis on clean UI, intuitive navigation, and visual appeal to enhance the overall browsing experience. Core technologies used include HTML, CSS, and JavaScript, ensuring a responsive design that adapts seamlessly to different devices. The final outcome is a visually appealing, interactive, and easy-to-use recipe-sharing platform that promotes cooking creativity and provides a centralized space for food lovers to connect with diverse cuisines.

3. Objectives

- **Design a user-friendly interface** using modern UI principles so users can easily explore, search, and view recipes without confusion.
- **Develop a fully responsive layout** using only HTML and CSS so that the website works seamlessly on desktops, tablets, and mobile devices.
- **Implement structured HTML5 semantic elements** such as `<header>`, `<nav>`, `<main>`, `<section>`, and `<footer>` for better content organization and accessibility.
- **Apply CSS styling** for consistent branding, attractive layout, and responsive behavior to make the site visually appealing and functional.
- **Ensure accessibility and readability across devices** by using proper font sizes, color contrast, and layout adjustments for different screen sizes.

4. Scope of the Project

- Focused only on **front-end design** of the recipe blog.

- No JavaScript, backend, or server-side integration.

- Works on **desktop, tablet, and mobile** viewports.

- Built using **pure HTML and CSS** without external 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

- Focused only on **front-end design** of the recipe blog.

- No JavaScript, backend, or server-side integration.

- Works on **desktop, tablet, and mobile** viewports.

- Built using **pure HTML and CSS** without external libraries.

Future Enhancements:

- Add JavaScript to make the feedback form functional and dynamically load recipes.

- Integrate smooth animations and hover transitions for recipe cards and navigation.

- Connect the feedback form to a backend for storing and retrieving user responses.

- Implement a light/dark mode toggle to improve user experience and accessibility.

12. Sample Code

```
<!-- Header Section -->
<div class="orange-box">
 <h1 style="opacity:1;">FORECIPE</h1>
 <div class="menu">
  <a href="#indian">Indian</a>
  <a href="#italian">Italian</a>
  <a href="#mexican">Mexican</a>
  <a href="#chinese">Chinese</a>
 </div>
</div>

<!-- CSS for Header -->
<style>
.orange-box {
 background-color: #cc4b2c;
 text-align: center;
 padding: 40px 20px;
```
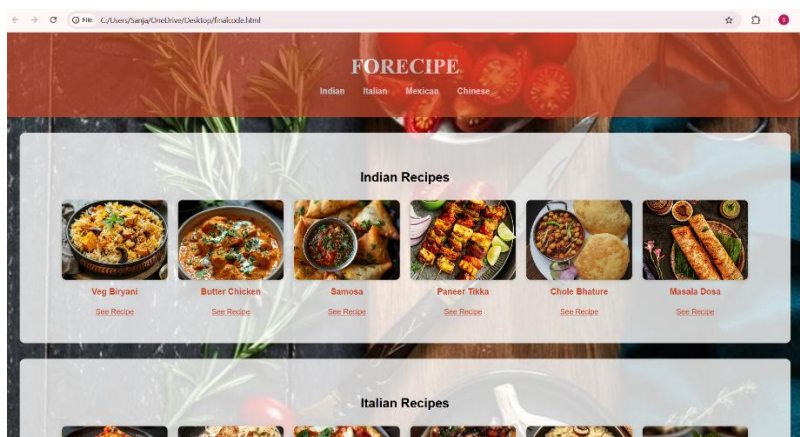
```
  color: white;
  opacity: 0.7;
}


.menu a {
  color: white;
  margin: 0 15px;
  text-decoration: none;
  font-weight: bold;
}


.menu a:hover {
  text-decoration: underline;
}
</style>
```
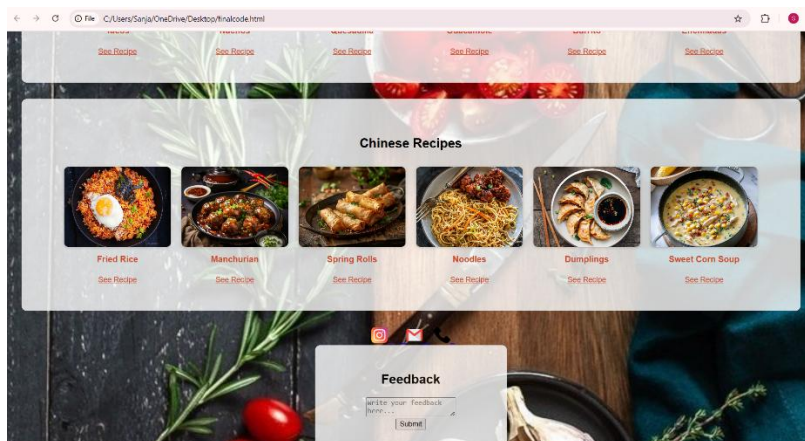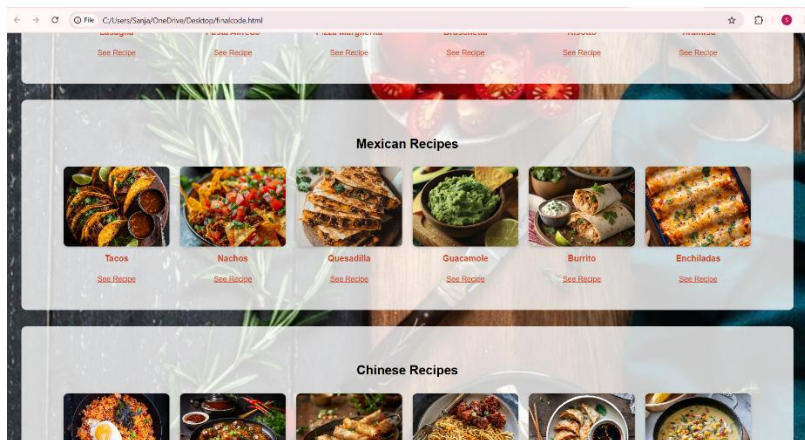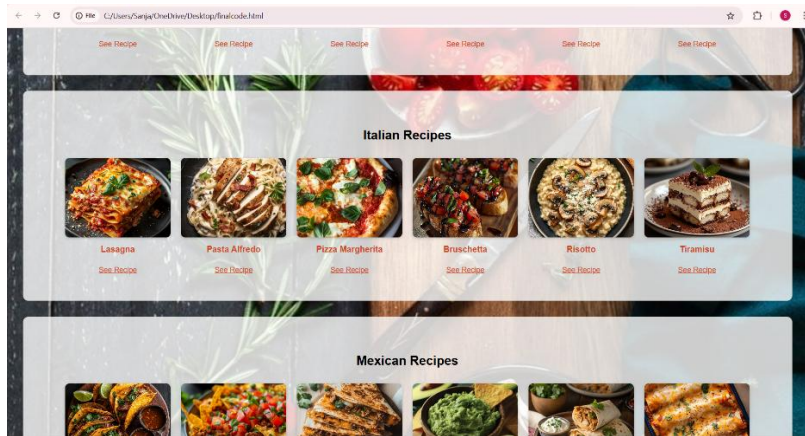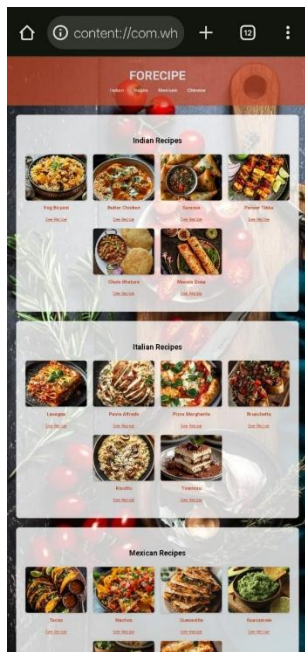
13. Screenshots of Final Output

DESKTOP VIEW

MOBILE VIEW

11. Conclusion

This is a recipe blog website that showcases recipes from multiple cuisines including Indian, Italian, Mexican, and Chinese.

This mini project helped me strengthen my front-end development skills using only HTML and CSS. I gained practical insights into creating responsive layouts, improving navigation flow, and enhancing user interface aesthetics. The hands-on implementation of design principles also improved my understanding of user-centric web design and content presentation.

12. References

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