Front-End UI/UX Mini Project

1. Title Page
Project Title: eCourse Overview Website
Submitted By:

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Course: LnT Front End UI/UX
Instructor Name: Mr. Dhiraj Atale
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Date of Submission: 11/08/2025

2. Abstract
This project is a clean, responsive, and functional eCourse webpage built using HTML5 and CSS3. It is designed to display course information, instructor details, student testimonials, and contact options in a structured and visually appealing manner. The webpage focuses on clarity, accessibility, and consistent branding while ensuring compatibility across devices. It serves as a static front-end prototype for an educational platform's landing page.

3. Objectives

- Design a user-friendly course webpage layout.

- Present content clearly using semantic HTML5 structure.

- Ensure responsiveness across desktop, tablet, and mobile devices.

- Apply a consistent color palette and typography for brand identity.

- Provide easy navigation to all sections.

4. Scope of the Project

- Front-end design only (no backend or database integration).

- Optimized for all major devices and browsers.

- Pure HTML5 and CSS3 implementation without external frameworks.

- Includes sections like Home, Courses, About, Testimonials, and Contact.

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5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Structure and markup
CSS3	Styling and layout
VS Code	Code editor
Chrome DevTools	Testing and debugging

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6. HTML Structure Overview

- Semantic elements: <header>, <nav>, <section>, <footer>.

- Sections: Home, Courses, About, Testimonials, Contact.

- Navigation bar with anchor links.

- Responsive course cards using flexbox/grid.

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7. CSS Styling Strategy

- Internal CSS using <style> tag.

- Light background with high-contrast text for readability.

- Flexbox/Grid for layout management.

- Media queries for responsive design.

- Hover effects for interactive elements.

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8. Key Features

Feature	Description
Thematic Branding	Professional educational look with modern fonts.
Responsive Layout	Adapts to various devices using flexbox and grid.
Course Cards	Showcases courses with descriptions and enroll links.
Testimonials	Displays student feedback.
Contact Form	Static form for inquiries.

9. Challenges Faced & Solutions

Challenge	Solution
Balancing text and visuals	Used consistent layout and typography hierarchy.
Making course cards responsive	Applied CSS flexbox and media queries.
Keeping navigation intuitive	Fixed header and clear section labeling.

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10. Outcome
The eCourse webpage delivers a clean, modern, and accessible front-end prototype suitable for an educational platform. It meets the design objectives while showcasing good HTML and CSS practices.

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11. Future Enhancements

- Add JavaScript interactivity for dropdown menus and animations.

- Implement a backend to make the contact form functional.

- Integrate a course enrollment system.

- Add dynamic filtering for courses.

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12. Sample Code

1. HTML – Course Card

```html
<div class="course-card">
   <img src="images/course1.jpg" alt="Web Development Basics" />
   <h3>Web Development Basics</h3>
   <p>Learn the fundamentals of HTML, CSS, and responsive design.</p>
   <a href="#" class="enroll-btn">Enroll Now</a>
</div>
```

Displays a course card with image, title, description, and enroll button.

2. HTML – Navigation Bar

```html
<nav>
   <a href="#home">Home</a>
   <a href="#courses">Courses</a>
   <a href="#about">About</a>
   <a href="#testimonials">Testimonials</a>
   <a href="#contact">Contact</a>
</nav>
```

Provides navigation links to different sections of the webpage.

3. CSS – Course Card Styling

```css
.course-card {
   background: #fff;
   border-radius: 8px;
   box-shadow: 0 2px 10px rgba(0,0,0,0.1);
   padding: 20px;
   text-align: center;
}
.course-card img {
```

```
    width: 100%;
    border-radius: 6px;
}
.enroll-btn {
    display: inline-block;
    background: #007BFF;
    color: #fff;
    padding: 8px 12px;
    border-radius: 4px;
    text-decoration: none;
}
.enroll-btn:hover {
    background: #0056b3;
}
```

Defines the appearance of a course card, ensuring a professional and readable design.

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13. Screenshots of Final Output

- Header & Navigation Bar

- Courses Section

This comprehensive course will guide you through the fundamentals of web development using HTML, CSS, and JavaScript. Build responsive websites and gain the confidence to start your journey as a web developer with practical projects and expert guidance.

- About Section

Course Roadmap

1. **Week 1:** Introduction to HTML - Understanding page structure and basic tags.
2. **Week 2:** Styling with CSS - Applying colors, fonts, box model, and layouts.
3. **Week 3:** Advanced CSS - Flexbox, Grid, and responsive design principles.
4. **Week 4:** JavaScript Basics - Variables, functions, events, and DOM manipulation.
5. **Week 5:** Interactive Webpages - Event handling and basic animations.
6. **Week 6:** Final Project and Deployment - Building a full responsive website and publishing online.

What You Will Learn

- Understand the structure and syntax of HTML5.
- Style modern websites with CSS3 including Flexbox and Grid layouts.
- Add interactivity to web pages with JavaScript basics and DOM manipulation.
- Build responsive and accessible web designs for multiple devices.
- Deploy your projects for real-world use on the web.

- Testimonials Section

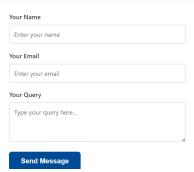## What Our Students Say

"The web development course helped me build real projects and confidently start my career as a developer."

- Sarah M.

"I loved how the course broke down complex concepts into easy-to-understand steps and practical examples."

- James K.

- Contact Form

Enroll Now

Earn a certificate upon successful completion.

Contact Us

Questions? Reach out at info@elearninghub.com

Your Name

Enter your name

Your Email

Enter your email

Your Query

Type your query here...

Send Message

14. Conclusion

The eCourse webpage project successfully demonstrates clean UI/UX principles, responsive web design, and semantic HTML structuring. It serves as a functional static prototype that can be extended with interactivity and backend features in the future.

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15. References

- W3Schools HTML & CSS Documentation

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