Front-End UI/UX Mini Project

Project Title: Christ University Website – Front-End Design using HTML & CSS

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- Course: UI/UX Design Fundamentals
- Institution: Christ University

2. Abstract

This project focuses on designing and developing a responsive front-end website for Christ University using HTML5 and CSS3. The website includes a secure login page, a student timetable, faculty details, and an about section that highlights the university's mission and vision. The goal is to create a clean, accessible, and user-friendly interface that works seamlessly on various devices. The core technologies used are HTML5 for structure and CSS3 for styling. The outcome is a visually appealing and functional website that can be expanded in the future with backend integration for real-time data.

- 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

- Create an intuitive and visually appealing front-end design for Christ University's website.
- Develop a login page with a user-friendly layout.
- Design a timetable page optimized for readability.
- Showcase faculty details with a clean and organized layout.
- Implement an informative about section.
- Ensure responsiveness and accessibility across devices.

- 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

- The project covers only the front-end of the website.
- No backend or database integration has been implemented.
- The website is designed for desktop, tablet, and mobile devices.
- Only open-source tools and pure HTML & CSS code were used.

- 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	Website structure and content
CSS3	Styling and layout
VS Code	Code editor
Chrome DevTools	Testing and debugging

6. HTML Structure Overview

- - Used semantic tags: <header>, <nav>, <main>, <section>, <footer>
  - Pages: Login, Timetable, Faculty Details, About
  - Navigation menu linking all sections/pages

- Structured into reusable sections: About, Projects, Contact
- Navigation menu using <ul> and anchor links for smooth scrolling

7. CSS Styling Strategy

- - External CSS file for styling (style.css)
  - Used Flexbox and CSS Grid for layouts
  - Media queries for responsive design
  - Consistent color scheme matching Christ University branding
  - Hover effects for navigation links
- Organized with comments and sections
- 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
Login Page	User interface for secure login (non-functional).
Responsive Design	Works on desktop, tablet, and mobile.
Timetable Layout	Structured table format with clear labels.
Faculty Page	Card-style layout for faculty members.
About Section	Informative content about the university.

9. Challenges Faced & Solutions

Challenge	Solution
Maintaining layout consistency on small screens	Used media queries for responsive adjustments.
Aligning timetable cells	Used CSS Grid instead of tables for flexibility.

Matching brand colors	Extracted color palette from university logo.

10. Outcome

- The project successfully delivered a fully responsive and visually consistent Christ University website front-end using only HTML and CSS. All required pages were implemented, and the design follows modern UI principles.
- All key components function as intended using just HTML and CSS
- Learned about layout responsiveness and UI hierarchy in depth

11. Future Enhancements

- - Add backend functionality for login authentication.
  - Integrate dynamic timetable fetching from a database.
  - Include animations for better user engagement.
  - Implement a search feature for faculty profiles.
- Integrate animations or transitions
- Backend integration for form submission
- Theme toggler (light/dark mode)

12. Sample Code

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>University Login</title>
   <style>
      * {
         box-sizing: border-box;
      }

      body {
         font-family: Arial, sans-serif;
         background: url(Login.jpeg) no-repeat center center fixed;
         background-size: cover;
         margin: 0;
         padding: 0;
      }
```

```
.login-wrapper {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    position: relative;
    z-index: 0;
}

.login-container {
    background: rgba(255, 255, 255, 0.95);
    padding: 2rem 2.5rem;
    border-radius: 12px;
    box-shadow: 0 8px 20px rgba(0,0,0,0.2);
    width: 320px;
    z-index: 2;
}

.login-container h2 {
    text-align: center;
    margin-bottom: 1.5rem;
}

.login-container label {
    display: block;
    margin-bottom: 0.5rem;
    margin-top: 1rem;
}

.login-container input[type="text"],
.login-container input[type="password"] {
    width: 100%;
    padding: 0.5rem;
    margin-bottom: 1rem;
    border: 1px solid #ccc;
    border-radius: 4px;
}
```

```
        .login-container button {
            width: 100%;
            padding: 0.7rem;
            background: #003366;
            color: #fff;
            border: none;
            border-radius: 4px;
            font-size: 1rem;
            cursor: pointer;
        }

        .login-container button:hover {
            background: #005599;
        }

        .login-container .external-link,
        .login-container .internal-link {
            display: block;
            text-align: center;
            margin-top: 1rem;
            color: #006699;
            text-decoration: none;
        }

        .login-container .external-link:hover,
        .login-container .internal-link:hover {
            text-decoration: underline;
        }
    </style>
</head>
<body>

    <!-- 🔺 Top-left logo -->


    <div class="login-wrapper">
        <div class="login-container">
            <h2>Student Login</h2>
            <form action="Christ.html" method="get">
                <label for="username">Student Username</label>
```

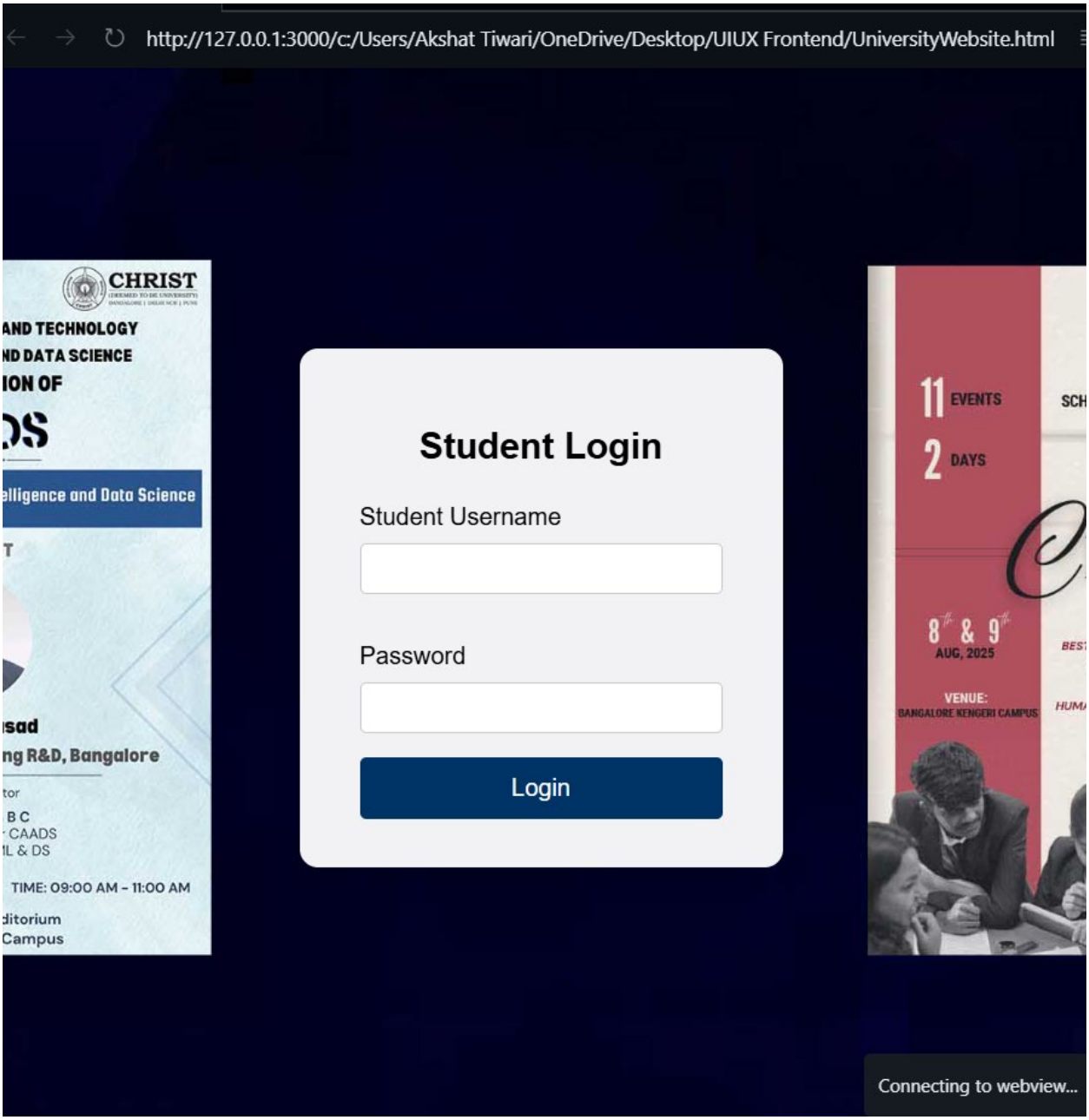
```
            <input type="text" id="username" name="username" required>

            <label for="password">Password</label>
            <input type="password" id="password" name="password" required>

            <button type="submit">Login</button>
        </form>
    </div>
</div>

</body>
</html>
for(bhang bhosdsa)
 {x : arr[]}
```

13. Screenshots of Final Output



11. Conclusion

The Christ University front-end website project helped strengthen HTML & CSS skills, especially in responsive design and semantic structuring. The experience also improved understanding of university website design requirements, accessibility, and UI consistency.

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