Front-End UI/UX Mini Project

Project Submission Template

1. Title Page

• **Project Title**: *MINIMALIST TO-DO LIST*

Submitted By:

- o *Team Members- S Sandhya*

    Riya Kiran

    Srihari

- o *Roll Number- 2463047*

    2463046

    2463060

- o *College- s.sandhya@btech.christuniversity.in*

    riya.kiran@btech.christuniversity.in

    sri.hari@btech.christuniversity.in

- • **Course**: *Front-End UI/UX*

- • **Instructor Name**: *Dhiraj*

- • **Institution**: *Christ University*

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

2. Abstract

The project aims to design and develop a minimalist, aesthetic to-do list web application that allows users to efficiently manage their tasks. The app features adding, editing, deleting, and marking tasks as completed, with persistent storage to save task data locally in the browser. The design emphasizes neutral colors like light brown and light blue, modern typography, intuitive interaction, and a clean, uncluttered layout suitable for any device.

3. Objectives

- Build a user-friendly interface applying modern and minimalist UI principles.

- Implement persistent task management using localStorage to save all tasks and their completion status.

- Provide task filters (all, active, completed) for easy task navigation.

- Use subtle visual cues (like strikethrough for completed tasks) and minimalist emojis for clarity without clutter.

- Ensure responsiveness using Bootstrap for smooth display across desktops, tablets, and mobile devices.

- Maintain an elegant neutral color palette centered around soft light brown and light blue tones.

4. Scope of the Project

- Front-end focused, with no backend required.
- Built with HTML5, CSS3, JavaScript, Bootstrap, and jQuery.
- Task data saved within localStorage for client-side persistence.
- Full responsiveness for multiple screen sizes using mobile-first design techniques.

5. Tools & Technologies Used

Tool/Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
JavaScript and jQuery	Code editor
Chrome DevTools	Testing and debugging
Bootstrap	UI components.

6. HTML Structure Overview

- The HTML structure uses semantic tags for clarity and accessibility.

- Main container holds the app with a header (app title).

- An input field and add button for new tasks.

- A list element (<ul>) that dynamically displays tasks as list items (<li>).

- Each task item includes a checkbox emoji, task text, and icons/buttons for editing and deleting.

- Filter buttons below the list for showing all/active/completed tasks.

- Footer or small note area for app info or credits if needed.

7. CSS Styling Strategy

- Use CSS variables to define neutral color palette (light brown and light blue).

- Apply consistent spacing and padding for readability and balanced layout.

- Use modern, clean sans-serif font for all text.

- Completed tasks get a subtle strikethrough and reduced opacity.

- Button and interactive elements styled minimally with subtle hover effects.

- Responsive design with Bootstrap grid and media queries for mobile scalability.

- Minimalist emoji icons sized and aligned with text for a neat look.

- Smooth CSS transitions for state changes (hover, focus, task complete).

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
Ensuring task data persists smoothly without backend support.	Utilized browser localStorage API to save and load tasks
Responsive design across devices	Leveraged Bootstrap's grid and CSS media
Managing dynamic updates to the DOM	Used jQuery

10. Outcome

- Successfully built an aesthetically pleasing, minimalistic to-do list app with all required task management features.

- Tasks are saved persistently and UI updates reflect task status changes intuitively.

- App performs well and is user-friendly on both desktop and mobile devices.

- The design is calming and professional, meeting the visual expectations of neutral color schemes.

Future Enhancements:

- Add user authentication for multi-device syncing using online storage or backend.

- Implement drag-and-drop task reordering.

- Add due dates and reminders with notifications.

- Include dark mode toggle for user preference.

- Add task categories or tags for better organization.

12. Sample Code

```
<div class="todo-app container">
  <header>
    <h1>Minimalist To-Do List</h1>
  </header>
  <div class="input-group mb-3">
    <input id="new-task" type="text" class="form-control" placeholder="Add a new task..."/>
    <button id="add-task" class="btn btn-primary">Add</button>
  </div>
  <ul id="task-list" class="list-group"></ul>
  <div class="filters mt-3">
    <button class="btn btn-outline-secondary filter-btn" data-filter="all">All</button>
    <button class="btn btn-outline-secondary filter-btn" data-filter="active">Active</button>
    <button class="btn btn-outline-secondary filter-btn" data-filter="completed">Completed</button>
  </div>
</div>


<!-- CSS for Header -->
:root {
  --color-bg: #F5E9DA; /* light brown */
  --color-accent: #D7E8F7; /* light blue */
  --color-text: #333;
  --color-muted: #888;
}

body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background-color: var(--color-bg);
```
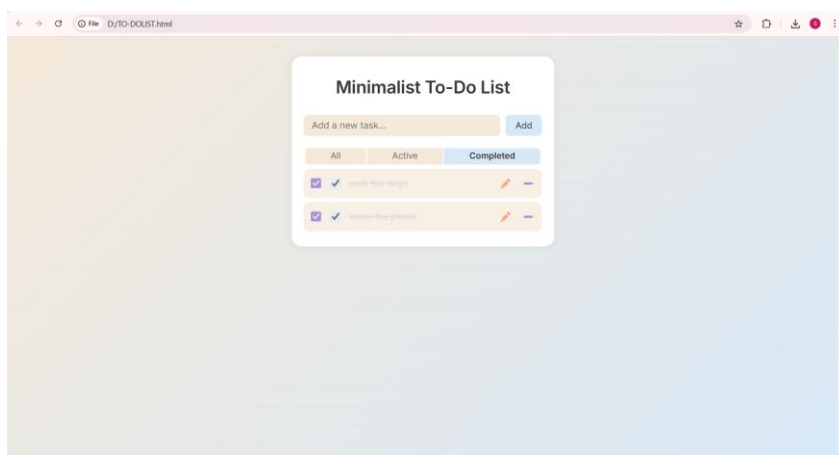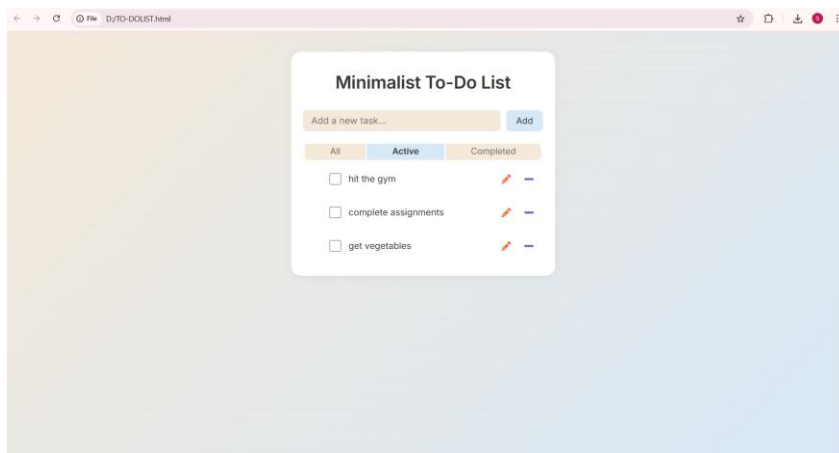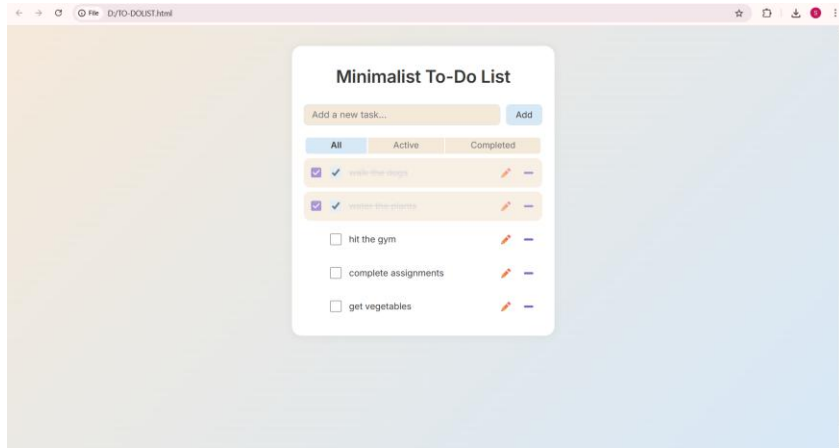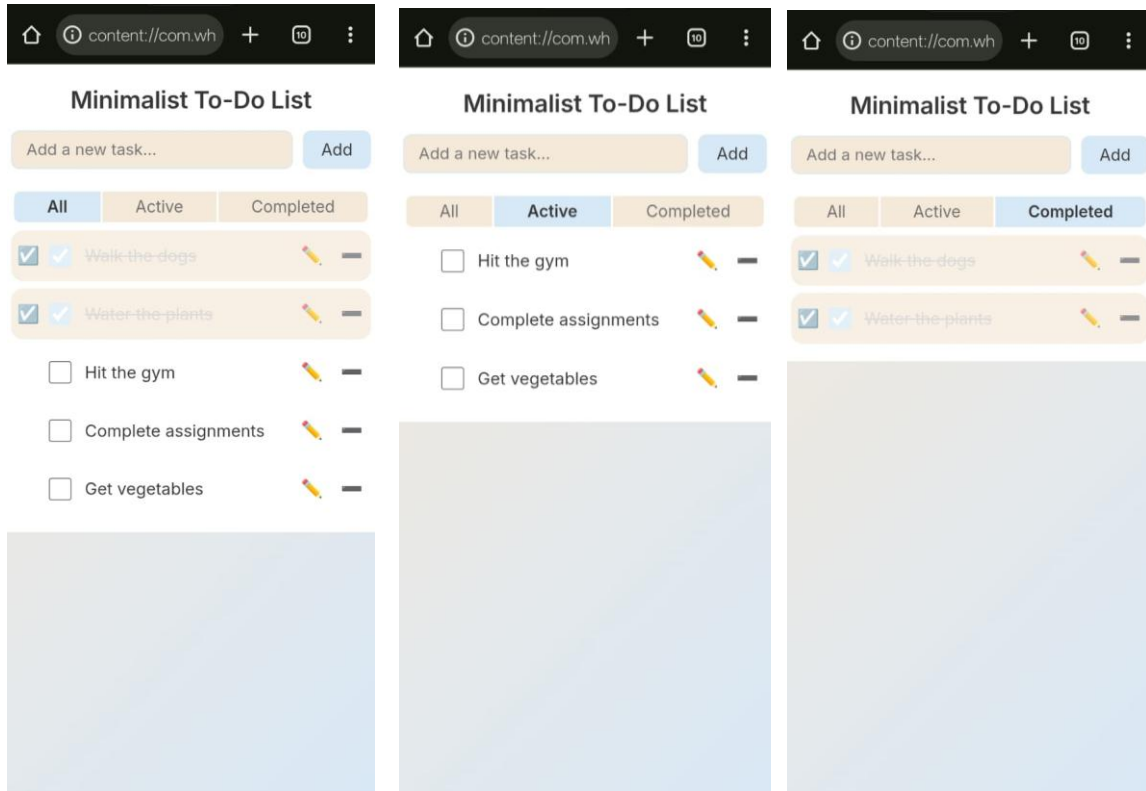
```css
  color: var(--color-text);
}


.todo-app {
  max-width: 500px;
  margin: 2rem auto;
  background: white;
  border-radius: 8px;
  padding: 1.5rem;
  box-shadow: 0 2px 8px rgba(0,0,0,0.1);
}


.completed {
  text-decoration: line-through;
  opacity: 0.6;
}


.filters button {
  margin-right: 0.5rem;
}
```

13. Screenshots of Final Output

DESKT0P VIEW

MOBILE VIEW

11. Conclusion

The minimalist to-do list project helps enhance user productivity with a visually soothing, intuitive application that stores and manages tasks effectively. The design principles focus on minimalism and calm color usage, providing an elegant interface that works fluidly on all devices, empowering users to organize their tasks without distraction.

12. References

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