

TO-DO Web App – Internship Project Report

Project Report

Project: TO-DO Web App

Company: Unified Mentor Private Limited

Name: Shivam Jaswal

Internship Duration: May 2025 – June 2025

Date: 25th May 2025

Introduction

- B.Tech in Computer Science, 2024 graduate
- Passionate about frontend development
- Intern at Unified Mentor Pvt. Ltd.

Objective:

- Gain real-world experience in frontend development
- Build functional, responsive web applications

About Unified Mentor Pvt. Ltd.

- A professional mentoring platform
- Focuses on personalized learning and project-based training
- Helps students and freshers build real-time tech skills

Internship Role & Responsibilities

Role: Frontend Development Intern

Key Responsibilities:

- Created responsive web interfaces
- Worked on dynamic to-do web app
- Implemented DOM manipulation with JavaScript
- Used Git for version control
- Collaborated with peers and mentors

Project Overview – TO-DO Web App

Project Name: TO-DO List Web App

Purpose:

- Help users manage daily tasks with a minimal, interactive UI.

Key Features:

- Add/Edit/Delete tasks
- Task completion progress bar
- Confetti animation on task completion
- Persistent tasks via LocalStorage

Tech Stack Used

Frontend:

- HTML5
- CSS3 (External Stylesheet)
- JavaScript

Other Tools:

- LocalStorage API
- Font Awesome Icons
- Confetti.js for celebration animation

Application UI

Include screenshots here (input field, task list, progress bar, empty state image)

- Clean, responsive layout
- Empty state image shown when no tasks
- Mobile-friendly design

Code Highlights

JavaScript Highlights:

- DOM manipulation
- Task state handling (checkbox, edit lock)
- Progress tracking logic
- LocalStorage save/load
- Confetti integration on 100% completion

Bonus: Handled edge cases like empty input, button disable when checked

Challenges Faced

- DOM event handling confusion initially
- Ensuring data persistence across reloads
- Mobile responsiveness

Solutions:

- Practiced JS event handling
- Used `localStorage` efficiently
- Used responsive container logic in CSS

Learning Outcomes

- Mastered DOM manipulation with pure JS
- Learned project structuring
- Improved debugging and browser DevTools usage
- Gained confidence in real-world frontend workflow

Conclusion

- Successfully delivered a working to-do web app
- Understood core frontend principles deeply
- Grateful to mentors and Unified Mentor Pvt. Ltd. for guidance
- Looking forward to more full-stack projects

Acknowledgement

Thanks To:

- Unified Mentor Pvt. Ltd.
- My mentor and peers
- Everyone who guided me

Presented by: Shivam Jaswal

