Software Requirements Specification (SRS)

Project Title: To-Do List Web Application
Prepared by: Dipsana Roy

Version: v1.0.0

1. Introduction

1.1 Purpose

The purpose of this document is to define the requirements for the **To-Do List Web Application**. This application helps users manage daily tasks efficiently, providing features like:

- Task prioritization (High, Medium, Low)
- Categorization (Work, Personal, School)
- Due dates and completion tracking
- Customizable user interface with dark mode and background images

The app is designed to be **lightweight, interactive, and easy to use**, serving as both a **productivity tool** and a **web development learning project**.

1.2 Scope

The To-Do List App allows users to:

- Add, edit, and delete tasks
- Organize tasks by **priority, category, and due date**
- Toggle between **light and dark themes**
- Set a **custom background image**
- Mark tasks as **completed**

Future enhancements may include persistent storage, notifications, and online synchronization.

1.3 Definitions, Acronyms, and Abbreviations

- **Task:** An item the user wishes to track or complete
- **Priority:** Importance level assigned to a task (High, Medium, Low)
- **Category:** Grouping for tasks (Work, Personal, School)
- **UI:** User Interface

1.4 References

- HTML5 Documentation
- CSS3 Documentation
- JavaScript Documentation

2. Overall Description

2.1 Product Functions

The main functionalities include:

- Task input with **priority, due date, and category**
- **Dark/light theme toggle**
- Custom background image upload
- Marking tasks as completed

2.2 User Characteristics

- **Primary Users:** Individuals seeking to organize daily tasks
- Users should have **basic web application familiarity**

2.3 Constraints

- Designed for **modern web browsers**
- Data is **stored only for the current session** (no backend integration)

2.4 Assumptions and Dependencies

- Requires an internet browser supporting **HTML5, CSS3, and JavaScript**

3. Functional Requirements

3.1 Task Management

- Add, edit, and delete tasks
- Each task has fields: **priority, due date, and category**

3.2 Task Completion

- Mark tasks as **completed** with a single click

3.3 Dark Mode Toggle

- Toggle between **dark and light UI themes**

3.4 Custom Background Image

- Upload a **custom background image** to personalize the interface

4. Non-Functional Requirements

4.1 Performance

- The app responds to user actions in **under 1 second**

4.2 Usability

- Interface is **intuitive, clean, and user-friendly**

4.3 Compatibility

- Works on **latest versions of Chrome, Firefox, and Edge**

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5. User Interface Requirements

- **Header:** Displays app title and theme toggle button
- **Input Section:** Task input fields and Add Task button
- **Task List:** Displays tasks organized by priority, category, and due date
- **Footer:** Developer credits and copyright information

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6. Attachments / Visuals

- **Screenshot 1:** Home page with task input and list
- **Screenshot 2:** Dark mode enabled
- **Screenshot 3:** Custom background image applied

To-Do List App

Add a new task... | High Priority | dd / mm / yyyy | Work | Add Task

Upload Background Image: Browse... 20241207011131_1.jpg   Set Background

Task: Exercise | **Priority:** Medium | **Due:** 2025-02-08 | **Category:** Personal   Complete   Remove

Task: Buy 12 dozens of apples | **Priority:** Low | **Due:** 2025-02-09 | **Category:** Personal   Complete   Remove

Task: Project 1 | **Priority:** High | **Due:** No due date | **Category:** Work   Complete   Remove

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Task: Project 1 | **Priority:** High | **Due:** No due date | **Category:** Work   Complete   Remove