Software Requirements Specification (SRS) for To-Do List App

1. Introduction

1.1 Purpose

The purpose of this document is to outline the requirements for the To-Do List Web Application. This application helps users manage their daily tasks with features such as task prioritization, due dates, categories, and a customizable user interface.

1.2 Scope

The To-Do List App allows users to:

- Add, edit, and delete tasks.
- Organize tasks by priority (High, Medium, Low), categories (Work, Personal, School), and due dates.
- Toggle between light and dark themes.
- Set a custom background image.
- Mark tasks as completed.

1.3 Definitions, Acronyms, and Abbreviations

- **Task:** An item that the user wishes to track or complete.
- **Priority:** The importance level assigned to a task (High, Medium, Low).
- **Category:** The grouping for tasks (Work, Personal, School).

1.4 References

- HTML5, CSS3, and JavaScript documentation.

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2. Overall Description

2.1 Product Functions

The key functionalities of the To-Do List App include:

- Task input with associated priorities, due dates, and categories.
- User interface controls to switch between dark and light themes.
- Option to upload custom background images.
- Marking tasks as completed.

2.2 User Characteristics

- **Primary Users:** Individuals seeking to organize and manage their daily tasks.
- Users should have basic familiarity with web applications.

2.3 Constraints

- The app is designed for modern web browsers.
- User data is stored only during the session (no backend).

2.4 Assumptions and Dependencies

- Requires an internet browser that supports HTML5, CSS3, and JavaScript.

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3. Functional Requirements

3.1 Task Management

- Users can add, edit, and delete tasks.
- Each task has fields for priority, due date, and category.

3.2 Task Completion

- Users can mark tasks as completed with a single click.

3.3 Dark Mode Toggle

- A button is available to toggle between dark and light modes.

3.4 Custom Background Image

- Users can upload a background image to personalize the interface.

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4. Non-Functional Requirements

4.1 Performance Requirements

- The app should respond to user actions in under 1 second.

4.2 Usability Requirements

- The interface should be intuitive and user-friendly.

4.3 Compatibility Requirements

- The app must function properly on the latest versions of Chrome, Firefox, and Edge.

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5. User Interface Requirements

- **Header:** Includes the title and theme toggle.
- **Input Section:** Contains task input fields and the Add Task button.
- **Task List:** Displays tasks in an organized manner.
- **Footer:** Provides developer credits and copyright information.

6. Attachments

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