# 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.

## 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.

## 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.

## 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.

## 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.

