

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

1. Introduction

This document defines the functional and non-functional requirements for a Simple To-Do List web application. The application will allow users to manage their daily tasks. The primary goal is to provide a clear and intuitive user interface for task management.

2. Functional Requirements

2.1 Task Creation

- **REQ-001:** The application **SHALL** have a text input field and a button to add a new task.
- **REQ-002:** The application **SHALL** allow a user to add a task by clicking the "Add Task" button or by pressing the "Enter" key after typing in the text field.
- **REQ-003:** The application **SHALL NOT** allow a user to add an empty task. An empty task is defined as a task with no characters, or only spaces. If a user attempts to add an empty task, an error message **SHALL** be displayed.
- **REQ-004:** Upon successful task creation, the input field **SHALL** be cleared and ready for the next task.
- **REQ-005:** Newly added tasks **SHALL** appear at the bottom of the list.

2.2 Task Management

- **REQ-006:** Each task in the list **SHALL** have a visible text description.
- **REQ-007:** Each task **SHALL** have a button or a click-able area to mark it as complete. When a task is marked as complete, its text **SHALL** be visually styled (e.g., with a strikethrough).
- **REQ-008:** The application **SHALL** allow a user to delete a task. Each task **SHALL** have a visible "Delete" button.

3. Non-Functional Requirements

- **NFR-001:** The user interface **SHALL** be clean, simple, and easy to understand.
- **NFR-002:** The application **SHALL NOT** require a database. All tasks will be stored in the browser's memory and will be lost on page refresh.