

# Product Requirements Document (PRD)

## Product Name

To-Do List Web Application

## Purpose

The To-Do List Web Application enables users to securely manage their personal tasks online. The application provides a simple, intuitive interface for users to add, view, and manage to-do items, ensuring data persistence and privacy for each user.

## Goals & Objectives

- Allow users to create an account and securely log in/out.
- Enable users to add, view, and manage their own to-do items.
- Ensure each user's data is private and persistent across sessions.
- Provide a clean, user-friendly interface as depicted in the design sketch.

## Features

### 1. User Authentication

- **Sign Up:** New users can register with email and password.
- **Sign In:** Registered users can log in.
- **Sign Out:** Users can log out securely.
- **Session Persistence:** Users remain logged in until they sign out or their session expires.

### 2. To-Do List Management

- **Add Item:** Users can add new to-do items with:
  - Details/description
  - Deadline (optional)
  - Created at (auto-generated)
- **View Items:** Users can view a list of their to-do items.
- **Persistence:** To-do items are saved in a database and associated with the user.
- **Data Privacy:** Each user can only access their own items.

### 3. User Experience & Interface

- **UI:** Clean, minimal interface matching the provided sketch.
- **Accessibility:** Responsive design for desktop and mobile.
- **User Avatar/Initial:** Displayed in the top right corner.

## User Stories

- As a user, I can sign up for a new account.
- As a user, I can sign in to my account.
- As a user, I can sign out of my account.
- As a user, I can add new to-do items.
- As a user, I can view my to-do items.
- As a user, when I return and log in again, I see my previously added items.

## Out of Scope (for MVP)

- Sharing to-do items with other users
- Item prioritization, tags, or categories
- Notifications or reminders
- Third-party authentication (Google, Facebook, etc.)

# Success Criteria

---

- Users can register, log in, and log out.
  - Users can add and view their own to-do items.
  - Data is persistent and private per user.
  - The UI matches the provided design and is easy to use.
- 

# Constraints & Assumptions

---

- The application will be web-based.
  - User data will be stored securely in a backend database.
  - The application will be accessible via modern web browsers.
- 

End of PRD