

# Product Requirements for Goal Tracker

## Overview:

The Goal Tracker application allows users to create, update, and manage their goals. It provides functionality for adding goals, filtering them by category, updating progress, and categorizing goals into completed or active goals. Users can also clear completed goals.

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## Features:

### 1. Goal Management

- **Add Goal:**
  - The user can create new goals by entering a title, an optional description, and a category (Personal, Work, or Health).
  - The goal is assigned a unique ID and saved in local storage.
- **Edit Progress:**
  - The user can update the progress of a goal by incrementing the progress by 5, 10, or 25 percentage points.
  - The progress value should be capped at 100%.
- **Uncomplete Goal:**
  - The user can reset a goal's progress to 0.
- **Delete Completed Goals:**
  - The user can clear all completed goals (goals with 100% progress) by pressing the "Clear All Completed Goals" button.

### 2. Category Management

- **Goal Categories:**
  - Each goal has a category (Personal, Work, Health).
  - Users can filter the goals by category. If "All" is selected, no filtering is applied.

### 3. UI Elements

- **Add Goal Form:**
  - Includes input fields for title, description, and category dropdown.
  - Displays a button to add a new goal.
- **Category Filter:**
  - Dropdown to select a category filter ("All", "Personal", "Work", "Health").
- **Goals Display:**
  - Displays current (active) goals and completed goals in two separate columns.
  - Each goal shows its title, description, and category.
  - Displays a progress bar for each goal's progress.

- Displays buttons to update progress or uncomplete the goal.

#### 4. Progress Bar Component

- A visual component to show the progress of each goal, updating as the user increments the goal's progress.

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### User Interface Specifications:

- **Main Screen:**
  - A title (Goal Tracker) centered at the top of the page.
  - Add Goal Form at the top with input fields for title, description, and category.
  - A dropdown menu for selecting a category filter.
  - Two columns displaying goals: one for active (current) goals and one for completed goals.
  - Each goal is displayed with its title, description, category, and progress bar.
- **Actions:**
  - Buttons for adding goals, updating progress, uncompleting goals, and clearing completed goals.
  - Buttons to increment progress by 5, 10, or 25 percent for active goals.

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### Technical Requirements:

1. **Validation:**
  - Ensure that a title and category are provided when adding a new goal.
  - Ensure progress increments are capped at 100% for each goal.
2. **Accessibility:**
  - Ensure input fields, buttons, and other elements are accessible and labeled appropriately.

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### Non-Functional Requirements:

- **Performance:**
  - The app should perform well with a reasonable number of goals (e.g., up to 100 goals) without significant lag in rendering or updating progress.
- **Responsiveness:**
  - The layout should be responsive, ensuring it looks good on mobile devices and desktop screens.
- **User Experience:**

- The app should provide clear feedback when adding a goal, updating progress, or clearing completed goals.
- The user should be able to easily navigate between current and completed goals.