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MedTrack App

A software package named "MedTrack App." This app is designed to assist patients in managing their medication regimen. It provides a comprehensive solution for managing medication schedules, prescription details, and drug interactions, benefiting patients and doctors. It emphasizes user-friendly interfaces and reminders, ensuring effective medication management and adherence to prescribed treatments.

Here's a summary of its features and modules:

MedTrack App Overview

Key Features:

- Tracks and logs medication dosages taken by patients.
- Sends reminders for medication doses based on user-configured schedules.
- Manages and stores details of prescriptions, including medication names, dosages, and prescribing doctors.
- Checks for potential drug interactions between prescribed medications.
- Maintains a detailed history of all medications prescribed and taken.

Sub-Package 1: Patient-Focused Modules

Module 1: Patient – Medication

➤ Functions:

- 'Details': Involves medication name, type, strength, and frequency.
- 'IsPrescription': Determines if a medication is a prescription drug.
- 'Add_medication': Allows adding medication details.
- 'Delete_medication': Enables the removal of a medication from the patient's list.

Module 2: Patient – Reminder

- Functions:
 - 'Add_reminder': Sets up new medication reminders.
 - 'Delete_reminder': Removes existing reminders.
 - 'Send_reminder': Sends reminders to patients.
 - 'Log_med (taken)': Logs when medication is taken.

Sub-Package 2: Doctor-Focused Modules

Module 1: Doctor - Prescription

- Functions:
 - 'Add_prescription': For doctors to add new prescriptions.
 - 'Delete_prescription': Allows the deletion of prescriptions.
 - 'Expiry_alert': Notifies about the expiry of prescriptions.

Module 2: Doctor - Report

- Functions:
 - 'Drug_interaction': Checks for interactions between drugs.
 - 'Export_history': Exports the medication history of a patient.
 - 'Search_history': Searches through the medication history.