**THE TECHNICAL UNIVERSITY OF KENYA**

**IBL**

**SOFTWARE DEVELOPMENT PROJECT**

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**COMPUTER TECHNOLOGY YEAR 2 TERM 4 SCCI/00876/2021**

**Title:**

**MEDMASTER**

Your Personal Medication Assistant

**Description:**

MedMaster is a comprehensive medication reminder app designed to help users stay on track with their medication schedules. With the personalized approach, MedMaster provides reminders based on a user's medication and personal preferences. By acting as a personal medication assistant, MedMaster aims to make taking medications a seamless and stress-free part of daily life.

**Problem:**

Taking medications on time and as prescribed is critical for controlling chronic conditions and preventing serious health problems. However, many people struggle to remember to take their medications on time, which can lead to missed doses and hence poor health recovery. This is where MedMaster comes in, providing personalized medication reminders and tools to help users stay on track and improve healthwise.

MedMaster offers a unique and personalized approach to medication management, making it easier and more enjoyable to stay on track with medications. With its customizable features and data-driven insights, MedMaster acts as a personal medication assistant, helping users achieve their medication goals and improve their overall health and well-being.

**UML diagram**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Symbol Name** | **Purpose** |
|  | **Start/Stop** | **Used at the beginning and end of the algorithm to show the start and end of the program.** |
|  | **Process** | **Indicates processes like mathematical operations.** |
|  | **Input/ Output** | **Used for denoting program inputs and outputs.** |
|  | **Decision** | **Stands for decision statements in a program, where the answer is usually Yes or No.** |
|  | **Arrow** | **Shows relationships between different shapes** |
|  | **On-page Connector** | **Connects two or more parts of a flowchart, which are on the same page.** |
|  | **Off-page Connector** | **Connects two parts of a flowchart which are spread over different pages.** |