Group 19 Java Development Doc

Javadocs

/\*  
Description: MedicationSystem class is the coordinator for the Pharmacy Management  
 System. It synthesizes data from patients, doctors, medications and  
 prescriptions to provide the requested outputs.  
Author: D.C. Elliott  
Date: Feb 25-, 2025  
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/\*  
Description: MedicationSystem class is the coordinator for the Pharmacy Management  
 System. It synthesizes data from patients, doctors, medications and  
 prescriptions to provide the requested outputs.  
Author: D.C. Elliott  
Date: Feb 25-27, 2025  
\*/

/\* Author: Jack Williams \*/  
/\* Date: February 20th - February 27th \*/  
/\* Description: This class allows the user to enter new medication objects.  
\* Each medication has a unique ID, name, dosage amount, quantity in stock, and expiry date. \*/

/\* Author: Jack Williams \*/  
/\* Date: February 26th \*/  
/\* Description: This class allows the user to enter new prescription objects.  
 \* Each prescription has an ID along with references to the doctor that issued it, the patient it is for, the medication issued, and the expiry date of the prescription. \*/

Directory Structure

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AI-generated content may be incorrect.

Build Process

Navigate to src/classes/Menu.java and press play

Development Standards

camelCase was used for all variables and attributes, classes and constuctors use PascalCase

Theoretical Database

A database for this program would look similar to the following:

Table: Person

Columns: id(PK), name, age, phoneNumber

Table: Doctor

Columns: personId(PK), specialization, yearsOfExperience, patientsId(FK)

Table: Patient

Columns: personId(PK), medicalHistory, allergies, medicationsId(FK), prescriptionsId(FK)

Table: Medication

Columns: id(PK), name, dosage, quantity, targetQuantity, medExpiry

Table: Prescription

Columns: prescId(PK), patientId (FK), doctorId (FK), medicationId (FK), prescExpiry

Development Of Trello Board

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