**TECHNICAL UNIVERSITY OF KENYA**

**SOFTWARE DEVELOPMENT ASSIGNMENT 2**

**JOSHUA OMWAMI SCCI/00876/2021 COMPUTER TECHNOLOGY**

1. **Pick an appropriate software engineering methodology.**

An agile approach methodology would be fitting since an iterative and versatile system highlights composed exertion and steady analysis. This would consider changes and acclimations to be put forth on a defense-by-case premise all through the improvement cooperation, ensuring that the end product resolves the issues of the clients.

1. **Context models.**

Request refill of medicine

Pharmacy

Sends medical reminder

Users

Sends refilling of medicines

Shares patients data

Inputs medical schedule

Healthcare provider

Updates medical schedule

1. **Interaction model**

**Pharmacy**

**user**

**Healthcare provider**

1. **Structural model**

Pharmacy

User

System

Healthcare provider

**Lo** Log in/create account

**Ss** sets medication features

Sets medication schedule

Enters medical details

Marks medication taken

Refill medication prescribed

**re**

request medication refill

shares medical data

request medical data

1. **Behavioral model.**

Sign up

Log in

Have an account

View profile

Set medication details

**no**

yes

Finish medication

Marks medication taken

Medication schedule created