

Graduation Project 2

PharmaStore24

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Abstract

For the graduation project 2 we thought about something that is beneficial to people, something that has to be reachable over the whole day. So we are going to make a pharmacy that is open the whole day because sometimes we need something urgent from the pharmacy but we find it close. Also sometimes the pharmacy will be far from us so the exestense of distributed medicine's machines will be so helpful. So we decided to make a pharmacy machine and it will have two modes for buying medicines or other urgent things which are available in every pharmacy. And this machine is an automated storage and retrieving machine.

Part 1: Storage

The machine will be very accurate and will have a sorting technique for the medicines to be sorted automatically according to its code in the suitable box. Only the administrator has the permission to unlock the machine.

Part 2: Retrieval

Mode 1: This mode will make it easy for the customer to buy medicines or the stuff from our pharmacy **without having a perception**, just by clicking on the needed medicine. some examples of the expedited medicines : painkillers (only small amounts), antipyretic, first aid baggage, medications for high blood pressure, Insulin needles, baby milk.

Mode 2: This mode is **for perceptions**. The machine will scan the QR code which represents the perception and get out the medicines that existed in that perception so the customer can take them after paying the price.

Tracking System

We will have an administrator app which shows the admin the system status (if there is an error in the system, like a medicine is stored in a wrong box) and the count of the elements in the boxes. So the admin will be on track with the system.