**Midterm Proposal**

Subject: Software Engineering

Class: Thursday Morning

**Project: Pharmacy Management**

**Topic: 1**

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**Members**

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# Introduction

Pharmacy Application is a software that manages medicine bills, invoices and generates reports by creating databases of available medicines in the shop. The data will connect to the main program by interconnection and database that is already created.

# Requirement

## Scope

* List of included functions
  + Input customer information
  + Get medicine from supplier
  + Verify login information, medicine
  + Check if medicine is empty or not
* List of excluded functions
  + Display medicine (medicine name, cost, sale price, quantity, brief information related to the medicine, medicine image)
  + Login/Logout
  + Edit medicine information

## Benefits

* Provide a new way of selling medicine for staff
* The owner of the pharmacy will be able to see all operations (buying and selling, accounts, …) if he is outside the pharmacy or while traveling
* Easy to manage inventory record and accountant is not necessary
* Can manage whole inventory, medicine in the store and transaction invoice at any time

## Resource

* Human Resource:
  + Long – Developer
  + Duy – Tester, Software Architect
  + Bao – Designer, Business Analysis
* Material Resource
  + Software: Visual Studio Code, SQL Server,
  + Hardware: Smartphone, Laptop

## Alternative And Risk

# Schedule

## Period 1(1 week): Brainstorming

* Analysis
  + Find requirements and information of topic
  + Explore include and exclude

## Period 2(5 weeks): Programming

* Database:
* User Interface:
* User experience:

## Period 3(2 weeks): Deliverable

* Tester:
* Publish:
* Report:

**week 1: Find requirements and information of topic - Duy,Long, Bảo**

* Pharmacy Application include: medicine bill, invoices , information of customer and provider, medicine.

**week 2-5 : Design database**

* The purpose of pharmacy database: keeps a list of customer information, medicine information for the purpose of producing medicine bills, invoices and generates reports.(Long)
* Find and organize the information required , divide the information into tables and columns.(Long)
* Specify primary keys and set up the table relationships.(Bảo)
* Create an ERD and relationship model.(Duy)