

TASK 3.1P Report

1. Problem Domain:

- A software for a pharmacy company
- Need a new software system to replace old paper-based system.
- Need to solve the lack of weekly and monthly sales record.
- Old system consumes lots of time and are insecure.

2. Solution domain:

- Design a computer-based system which help users (staffs, accountants, managers, etc.) add, edit or remove pharmacy items.
- Recorded items should be stored into a database (local or cloud database).
- At the end of each week and each month, the software will analyses sales data then generate records report.
- The software must implement Graphical User Interface (GUI) in order to help users easily interact with it functions.
- The software should give an option to generate reports in .CSV format and save them to local data storage.

3. Business knowledge

- Pharmacy stores normally opens until evening 7 days a week.
- The stores are often extremely busy at the weekend and after office hours, therefore, they may runs out of stock at those hours.
- There are a huge amount of different kinds of pharmacy items so the database should be big enough to be able to maintain the records.
-

4. Programming knowledge

- I have some experience working with web-based system (HTML, CSS, JavaScript).
- Learnt but never practised with web database (PHP and MySQL).
- Have no idea about the architecture of desktop-based databased system.

5. Solution

- Web-based pages should be able to offer necessary functions for the company and are also good at maintaining scalable database.
- Web-based application are small and required less time creating and testing before being demonstrated to our client.
- Moreover, we need a fast and can be widely-used so many branches of the company will be able to use it instantly without wasting time installing and learning how to use it.

6. High-Level Design Diagram

