

# **Project Proposal: Sales Reporting and Prediction System**

## **Background**

The company known as People Health Pharmacy (PHP) Inc. is a small pharmacy based in Subang Jaya, that provides their customers with health products such as supplements, medications, health care products, accessories etc. But currently they are facing some issues with recording their sales, as it is using a rather old and inefficient system, better known as paper. Not only that, but they are also unable to keep track of items that are sold. Which causes them to frequently run out of stock.

To help solve this issue, we have been requested to develop a/an application/system that helps improve the situation.

## **Scope**

The application/system that we are developing will have key features that help with Generating sales reports on a Daily, Weekly, Monthly & Yearly basis as well as analyse the sales data recorded in those reports. Not only that, but it helps keep track of the items stored in the store, to prevent a sudden stock outage scenario. The application/system that we are developing will also have side features that help with employee tracking, this is to keep track of the employees who check in for their shift. Another feature that this system will have, is the ability to calculate the prices of the items. This is to reduce the manpower needed to do this task.

## **Deliverables and schedule** Deliverables:

- Proposal
- Project Report
- Manual
- Source Code
- Finished Product

**Initial Release Schedule of the Product backlog items**

Product Backlog Id.	Product Backlog Item	Dependencies (Product Backlog Id.)	Business Value (1 least – 10 most)	Release Schedule (Sprint #1   2   3   ...)
1	Add a sales record		7	Sprint #1
2	Edit a sales record	1	6	Sprint #1
3	Display a sales record	1	6	Sprint #2
4	Display monthly sales report	1	8	Sprint #2
5	Predict the sales of an item on a monthly basis	1	9	Sprint #2
6	Predict the sales of a group of similar items on a monthly basis	1	9	Sprint #2
7	Generate a monthly sales report as a CSV file	1	8	Sprint #2
8	Employee Listing		6	Sprint #2
9	Login System	8	6	Sprint #2
10	Price Listing		7	Sprint #2
11	Price Checker	10	7	Sprint #2
12	Calculate Price	10	7	Sprint #2

## **Tutor**

**Miss Robina Tinawin**

## **Team Members**

- Henry Sim Chin Wei (Software Development) – 103541939 (Team Leader)
- Choo Chun Hang (Data Science) – 103542314
- Ong Sheng Yang (Data Science) – 103542466
- Thulasitharan rao vemkitaramana (Cyber Security) - 103526198

## **Comments**

- Group  
Our group has finalised our decision and decided to proceed with the development of the of the Sales Reporting and Prediction System (PHP-SRePS) based on the project proposal system provided.
- Henry Sim Chin Wei  
I agree with the fact that we have chosen to proceed with the development of the Sales Reporting and Prediction System (PHP-SRePS) based on the project proposal system provided. This is because it provides us with a baseline and a starting point which makes it easier for us to decide what is needed for the development. I also agree with the fact that we have chosen these items, as they have their importance in this project.
- Choo Chun Hang  
I come to an agreement with my teammates to proceed with their planning for the project. As we selected to follow the example given by our tutor and proceed on managing this software project. I agree with the items in the scope and backlog, this is because they are needed.
- Ong Sheng Yang  
I agree with the team's decision to proceed with the given PHP project as opposing to proposing our own project; as doing so would result in some extra work that needs to be done such as finalizing the project, synopsis, scope and the product backlog. In my opinion, any additional work that is avoidable is good for us in the long run as this semester is packed to the brim with tasks to be done each week.
- Thulasitharan rao vemkitaramana  
I agree to do this project with my group member to build the software for the PHPSRePS project and to complete the product backlog. This is because I feel that it reduces the time needed to generate a new scenario as it would be rather difficult and time consuming. In conclusion, I agree with the team's decision to proceed with the PHP project provided. I agree with the items in the backlog, as they seem to be very logical. And its quite simple as well as important.

