

# Project Proposal: Sales Reporting and Prediction System

## Solution Direction

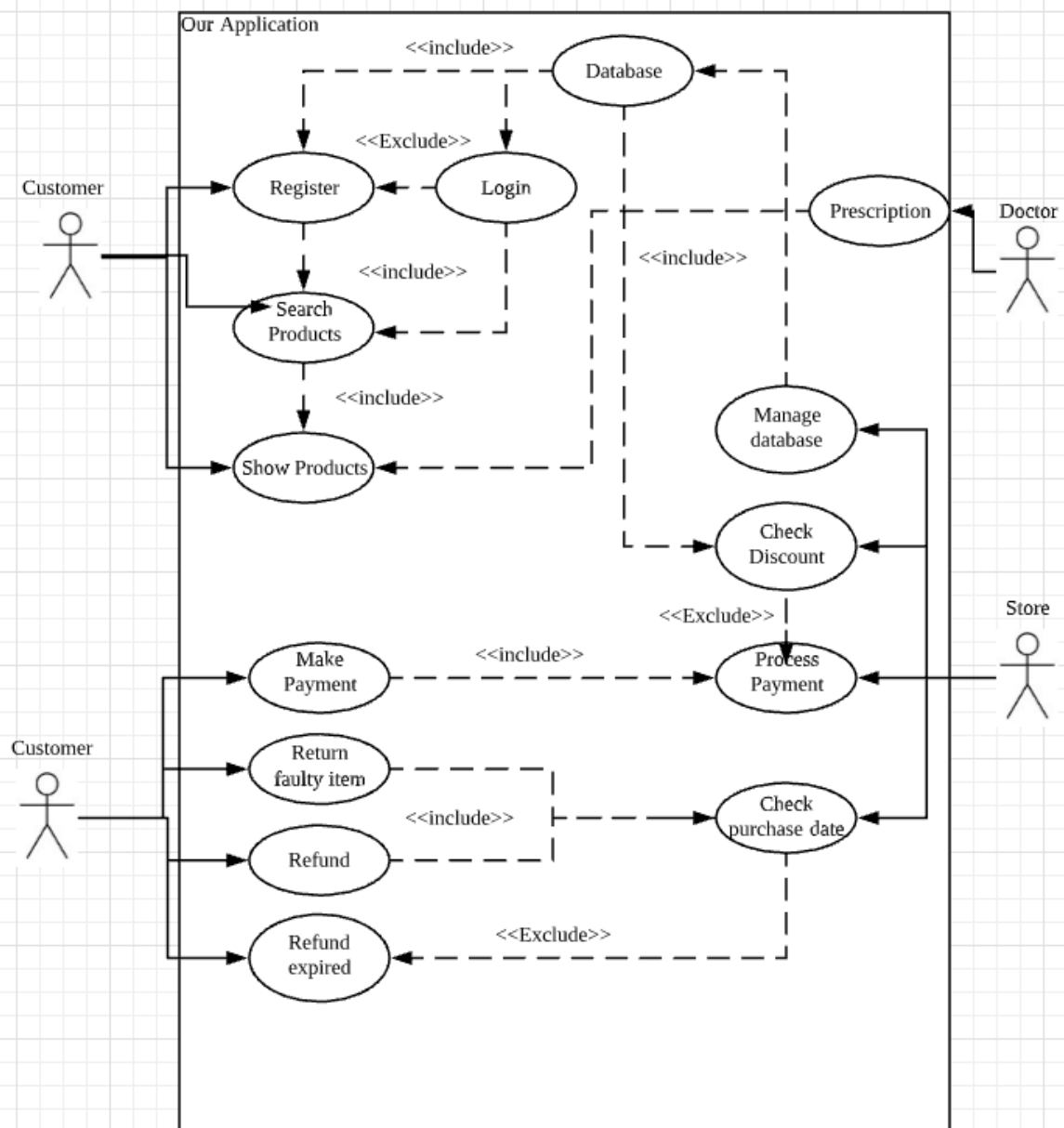
Our group has decided on two different solutions which are a Web-based application, this is because we have experience in developing Web-based applications. Not only that, but because the system is needed to store multiple data such as Item, sales, price, discounts etc. We will need a rather large database system. Which is why we opted for a Web-based application. The second solution we have decided to come up with is a Mobile-based application, this is because we have experience in developing Mobile-based applications. Why we have chosen this, is because it is user friendly. I say this because, anyone can download our app to be used to view and purchase our products. Since the world is moving towards a cybernetic future and that everyone is currently addicted to their phones, it would foolish not to take advantage of this

## Web-Base application GAPs Analysis

<b>STRENGTHS</b> <ul style="list-style-type: none"><li>• Compatible with all devices.</li><li>• Easily accessed by anyone.</li><li>• Ease of use.</li><li>• Flexible designs.</li><li>• Easy to edit data.</li><li>• Easy to maintain.</li></ul>	<b>WEAKNESSES</b> <ul style="list-style-type: none"><li>• Requires internet connectivity.</li><li>• Relies on browser.</li><li>• Security concerns.</li></ul>
<b>OPPORTUNITIES</b> <ul style="list-style-type: none"><li>• Business becoming heavily web based.</li><li>• IT systems becoming main business focus.</li><li>• Allows users all over the world to shop.</li><li>• Wider demographic.</li></ul>	<b>THREATS</b> <ul style="list-style-type: none"><li>• Vulnerability to hackers.</li><li>• Server Shutdowns.</li><li>• Data Loss.</li><li>• Power Outage</li></ul>

### Mobile-Base application GAPs Analysis

<b>STRENGTHS</b> <ul style="list-style-type: none"><li>• Compatible with all devices.</li><li>• Easily accessed by anyone.</li><li>• Ease of use.</li><li>• User-friendly.</li></ul>	<b>WEAKNESSES</b> <ul style="list-style-type: none"><li>• Requires internet connectivity.</li><li>• Security concerns.</li><li>• Not compatible with older devices.</li></ul>
<b>OPPORTUNITIES</b> <ul style="list-style-type: none"><li>• Business becoming heavily mobile based.</li><li>• IT systems becoming main business focus.</li><li>• Allows users all over the world to shop.</li><li>• Wider demographic.</li><li>• Everyone using mobile devices.</li></ul>	<b>THREATS</b> <ul style="list-style-type: none"><li>• Vulnerability to hackers.</li><li>• Server Shutdowns.</li><li>• Data Loss.</li></ul>



## Customer

The role customer is based on the customers who will be using our application for purchasing and viewing our products. They can register/login, Search and View products, make payments and returns.

## Doctor

The role doctor is based on our pharmacist who will be using our application to talk to customers to help prescribe medications. The prescribed medications are then relocated to the product's page.

## Store

The role store is based on our staffs who will be using our application to process the payments. Not only that but they can access the database to generate sales reports.

## **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**

- Henry Sim Chin Wei
  - Based on previous assignments, projects and courses, I have many experiences with different sorts of programming languages (XML, HTML, CSS, C++, JAVA). As for skills, I feel as if I have the appropriate skills to be the leader of the group as well as skills that not only help with the development of the application but also the capabilities of writing reports with ease. Which I find very useful for team-based projects.
- Choo Chun Hang
  - According to my experience of coding an application in the past with various programming language, I can at least produce a usable application before the deadline given. Besides that, I am also capable of writing reports at ease which will assists the team while finishing up the report of the project.
- Ong Sheng Yang
  - My experience includes a variety of languages, all of which came from participating in group projects and so forth. In said projects, I would often be selected to implement and design the UI/UX of web applications and even a mobile application. With these positions I was able to work on website prototypes, web interfaces and mobile interfaces, so I know that my experiences will be able to help with the project.
- Thulasitharan rao vemkitaramana
  - Based on my experience in the previous courses and assignment, I have experiences with some programming language like HTML, C++, JAVA, CSS. For my skills I can help my group members with the task and able to give my input with tasks.