Project Status Report II

Date of Report Issue/Prepared:03/07/2024

Report Prepared By:

Employer/Organization:Pharmacy System

Project Name:	Pharmacy Services Web App
Project Team: Period Reporting: Overall Project Health	Fuentes Arteaga, Diego Hai, Yang Lau, Hiu Wai Zeng, Chloe
	Start Date: **Feb 03, 2024**	End Date: **Mar 08, 2024**
	Green (Good) - Yellow (Warning) - Red (Bad)

Summary

Project Status Summary
In the implementation phase from Feb 3 to Mar 8, the project stayed on track for most of the parts. All the backend API was implemented, frontend UI design accomplished, and integration of frontend and backend was done successfully. Most functionalities for customer module, pharmacist module and admin module were completed, but for some specific functionalities we made adjustments to the development plan due to some reasons. For example, we need more time for notification service due to issues in integration with external email service providers. For the next phase of the project, we will focus on the development of notification service, prescription uploading, and stock forecasting. After all modules are accomplished, we will start testing and project documentation composing. The team meetings are still held twice a week as planned to communicate issues, update personal progress, and clarify next-step plans.

Accomplishments As Planned	Planned but not Accomplished
User Authentication Implementation	Integrate notification service providers such as email or SMS
Landing Pages	Design User-friendly UI for prescription uploads
Customer Module Development	Implement the backend functionality to process uploaded prescriptions.
Pharmacist Module Development	Implement algorithms for analysing stock levels
Admin Module Development	Prepare user guides for seamless usage
Initiating Comprehensive API Documentation	

Database Schema Optimization	

Upcoming Objectives for **Mar 09, 2024 to Mar 29, 2024**

	Planned Activities/Tasks for Next Period		
Activity/Task	Assigned To <name/s>	Duration <days>	Date
Integrate backend APIs with frontend components for Pharmacists use	Chloe Zeng	14	03/07
Design a user-friendly UI for prescription uploads.	Diego Fuentes	3	03/07
Implement the backend functionality to process uploaded prescriptions.	Diego Fuentes	4	03/07
Integrate backend APIs for fetching prescription order data	Hiu Wai Lau	5	03/07
Implement algorithms for analysing stock levels	Yang Hai	7	03/07
Integrate notification service providers such as email or SMS	Yang Hai	7	03/14
Write comprehensive API documentation	Hiu Wai Lau	4	03/12

Milestones for Next Period		
Milestone (Objective)	Assigned To	Delivery Date
Prescription Upload	Diego Fuentes	03/10/2024
Prescription Pharmacists Approval	Chloe Zeng	03/14/2024

Prescriptions order FrontEnd	Diego	03/10/2024
Pharmacy Network Search Module Development	Hiu Wai Lau	03/18/2024
Notification System	Yang Hai	03/14/2024
Stock Forecasting Module Development	Yang Hai	03/21/2024
Filtering and Sorting	Diego Fuentes Chloe Zeng Hiu Wai Lau	03/21/2024
Documentation and Support Materials	Hiu Wai Lau	03/28/2024

Managing Issues and Risk

Issues/Problems	Resolution Strategy	Due Date
Integration issues with external email service providers for notifications	Try to integrate with SendGrid or Mailgun's Free Tier. Both are offering extensive documentation and SDKs in various programming languages, which can significantly ease the integration process.	03/14/2024
Backend Functionality for Prescription Uploads Not Fully Implemented	Break down the backend functionality into smaller, manageable tasks and tackle them sequentially.	03/10/2024

Upcoming Risks	Risk Ranking (Hi, Med, Low)	Risk Impact (Hi, Med, Low)	Mitigation Strategy
Inaccurate forecasting could result in stock shortages or overstocks.	Hi	Hi	Utilize machine learning algorithms and historical data for more accurate forecasting. Regularly review and adjust the model

			based on performance.
The lack of detailed or easily understandable documentation and support materials can make it difficult for users to effectively use the system.	Low	Med	If the project finishes on time, we can also record video tutorials and add some FAQs in the documentation.
Failure to deliver notifications timely	Med	Hi	Improve error handling within the application to capture and log issues; Implement alerts or notifications for critical errors so they can be addressed promptly.

NOTE: Attach additional sheets if insufficient space available

Submission Guidelines:

Please submit as "W24_T<team number>_ProjectReport2".
For e.g., W24_T45_ProjectReport2

This is a group submission i.e. one per group.

Due Dates:

Sunday, Mar 10, 2024 (11:59 p.m.)