

Project Status Report I

Date of Report Issue/Prepared: 02/03/2024

Report Prepared By:

Employer/Organization: Pharmacy System

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|------------------------|---|-------------------------------|
| Project Name: | Pharmacy Services Web App | |
| Project Team: | Fuentes Arteaga, Diego | |
| Period Reporting: | Hai, Yang | |
| Overall Project Health | Lau, Hiu Wai | |
| | Zeng, Chloe | |
| | Start Date: Jan 08, 2024 | End Date: Feb 02, 2024 |
| | Green (Good) - Yellow (Warning) - Red (Bad) | |

Summary

| Project Status Summary |
|---|
| <p>In the implementation phase from Jan 8 to Feb 2, the project stayed on track. The database was set up and connected successfully to the project, with all tables and test data in place. Backend API implementation and basic frontend layout are progressing as planned. GitHub and Postman workspace were set up to help in collaboration. Next, the project will focus on backend CRUD, add features, refine frontend, and integrate both parts seamlessly. The team meetings were held twice a week as planned for members to communicate.</p> |

| Accomplishments As Planned | Planned but not Accomplished |
|---|------------------------------|
| Project structure initiation and project environment definition | |
| Database Setup and Connection | |
| Database schema and tables creation and mockup data insertion | |
| Backend API Development | |
| Basic layout of frontend initiation | |
| Basic login and registration implementation | |
| Postman workspace setup | |
| Github repository setup | |
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Upcoming Objectives for Feb 03, 2024 to Mar 8, 2024 (Sprint 6)

| Planned Activities/Tasks for Next Period | | | |
|---|-------------------------|--------------------|------------|
| Activity/Task | Assigned To <name/s> | Duration <days> | Date |
| Implement user registration endpoint | Yang Hai | 1 | 01/28/2024 |
| Implement user login/logout endpoint. | Yang Hai | 2 | 01/29/2024 |
| Add middleware for authentication checks | Chloe Zeng | 1 | 01/30/2024 |
| Implement CRUD endpoints for managing landing page content | Chloe Zeng | 2 | 01/31/2024 |
| Integrate backend functionality with the frontend for dynamic content display | Chloe Zeng | 1 | 02/01/2024 |
| Implement CRUD endpoints for managing customer data | Diego Fuentes | 4 | 02/01/2024 |
| Implement features to allow customers to update their profiles | Diego Fuentes | 2 | 02/05/2024 |
| Implement CRUD endpoints for managing admin accounts | Hiu Wai Lau | 3 | 02/01/2024 |
| Develop a dashboard for admin functionalities | Hiu Wai Lau | 3 | 02/04/2024 |
| Implement CRUD endpoints for managing general user functions | Diego Fuentes | 7 | 02/07/2024 |
| Implement CRUD endpoints for managing pharmacist functions | Hiu Wai Lau | 4 | 02/07/2024 |

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| Implement functionality for pharmacist authentication. | Hiu Wai Lau | 2 | 02/12/2024 |
| Define requirements for staffing module | Chloe Zeng | 2 | 02/07/2024 |
| Implement endpoints for staff management | Chloe Zeng | 5 | 02/09/2024 |
| Implement features for adding/editing pharmacy details | Yang Hai | 5 | 02/07/2024 |
| Integrate backend APIs with frontend components for Pharmacies management | Yang Hai | 2 | 02/09/2024 |
| Design the user profile page layout | Diego Fuentes | 3 | 02/14/2024 |
| Integrate backend APIs to fetch and update user profile data. | Diego Fuentes | 4 | 02/18/2024 |
| Design a user-friendly UI for prescription uploads | Yang Hai | 3 | 02/14/2024 |
| Implement the backend functionality to process uploaded prescriptions. | Yang Hai | 4 | 02/18/2024 |
| Design UI components for browsing available services | Hiu Wai Lau | 2 | 02/14/2024 |
| Implement frontend functionality for service exploration | Hiu Wai Lau | 5 | 02/16/2024 |
| Develop frontend features for scheduling appointments | Chloe Zeng | 5 | 02/16/2024 |
| Implement frontend features for displaying prescriptions orders | Yang Hai | 3 | 02/22/2024 |
| Integrate backend APIs for fetching prescription order data | Yang Hai | 4 | 02/24/2024 |

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| Develop frontend features for scheduling appointments. | Diego Fuentes | 5 | 02/23/2024 |
| Implement location-based search functionality | Chloe Zeng | 7 | 02/24/2024 |
| Integrate notification service providers such as email or SMS | Yang Hai | 4 | 02/28/2024 |
| Develop triggers for sending notifications based on various events | Yang Hai | 4 | 03/01/2024 |
| Implement algorithms for analysing stock levels | Diego Fuentes | 3 | 02/23/2024 |
| Design intuitive UI components for user interaction | Diego Fuentes | 4 | 02/25/2024 |
| Write comprehensive API documentation | Hiu Wai Lau | 3 | 02/22/2024 |
| Prepare user guides for seamless usage | Hiu Wai Lau | 3 | 02/25/2024 |

| Milestones for Next Period | | |
|------------------------------------|---------------|---------------|
| Milestone (Objective) | Assigned To | Delivery Date |
| User Authentication Implementation | Yang Hai | 02/04/2024 |
| Landing Pages | Chloe Zeng | 02/04/2024 |
| Customer | Diego Fuentes | 02/07/2024 |
| Admin | Hiu Wai Lau | 02/07/2024 |
| General | Diego Fuentes | 02/14/2024 |
| Pharmacist | Hiu Wai Lau | 02/14/2024 |
| Staffing Module Development | Chloe Zeng | 02/14/2024 |
| Pharmacies Management FrontEnd | Yang Hai | 02/14/2024 |
| Profile FrontEnd | Diego Fuentes | 02/21/2024 |

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| Prescription Upload | Yang Hai | 02/21/2024 |
| Services FrontEnd | Hiu Wai Lau | 02/21/2024 |
| Prescriptions order FrontEnd | Yang Hai | 02/28/2024 |
| Bookings FrontEnd | Chloe Zeng | 02/21/2024 |
| Pharmacy Network Search Module Development | Chloe Zeng | 02/28/2024 |
| Notification System | Yang Hai | 02/07/2024 |
| Stock Forecasting Module Development | Diego Fuentes | 02/28/2024 |
| Filtering and Sorting | Diego Fuentes | 02/28/2024 |
| Documentation and Support Materials | Hiu Wai Lau | 02/28/2024 |

Managing Issues and Risk

| Issues/Problems | Resolution Strategy | Due Date |
|--|---|------------|
| Encountered code conflicts when integrating backend functionality with the frontend for dynamic content display. | Implement continuous integration and continuous deployment (CI/CD) practices to streamline the integration process. | 02/01/2024 |
| Faced issues related to data validation and error handling during the implementation of CRUD endpoints for managing customer data. | Include comprehensive unit and integration testing phases to catch potential issues early. | 02/01/2024 |
| The feature to allow customers to update their profiles may depend on other parts of the system, such as authentication and | Conduct dependency checks before starting and maintain close communication with team members responsible for related systems. | 02/05/2024 |

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| database schema, being fully operational. | | |
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| Upcoming Risks | Risk Ranking (Hi, Med, Low) | Risk Impact (Hi, Med, Low) | Mitigation Strategy |
|--|-----------------------------|----------------------------|---|
| As the project progresses towards implementing more frontend features, ensuring optimal performance, especially in handling dynamic content and user interactions, may become challenging. | Med | Hi | Implement performance testing and optimization strategies like state management, and minimizing re-renders. |
| With multiple frontend features being developed, ensuring that the data stays synchronized between the React frontend and Flask backend, particularly for features like prescription uploads and user profile updates, could be difficult. | Hi | Hi | Regularly update and test API endpoints; implement real-time data fetching methods like web sockets or polling, if necessary. |

NOTE: Attach additional sheets if insufficient space available

Submission Guidelines:

Please submit as "W24_T<team number>_ProjectReport1".

For e.g., W24_T45_ProjectReport1

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

Due Dates:

Sunday, Feb 04, 2024 (11:59 p.m.)