Project Management Documentation – STUDI-web-app

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1. Introduction

This document outlines the project management approach for the web application developed for SoigneMoi hospital. The project was managed using JIRA, a project management platform that facilitates planning, tracking, and coordinating tasks.

2. Project Management Methodology

For managing this project, we adopted an agile methodology, primarily using the Scrum framework. This approach provides great flexibility and the ability to quickly adapt to changing client needs. The project was divided into multiple one-week sprints, with each sprint focusing on the completion of specific tasks.

3. Task Organization

a. **Backlog**: This column contains all the planned features, prioritized by importance. It is used for sprint planning and prioritizing tasks to be completed.

b. **To Do**: Tasks selected for the current sprint are moved to this column. It lists the tasks that need to be started.

c. **In Progress**: Once a task is being actively worked on, it is moved to this column. This helps in tracking what is currently being developed.

d. **Done**: Once a task has passed review and testing, it is moved to this column. This column lists all the tasks that have been successfully completed and merged into the development branch.

4. Roles and Responsibilities

a. **Product Owner**: Responsible for defining the requirements and priorities. Ensures the project delivers the maximum value to the client.

b. **Scrum Master**: Facilitates the Scrum process, resolves impediments, and ensures the team follows Scrum practices.

c. **Development Team**: Responsible for developing the application according to the requirements. The team consists of front-end and back-end developers, a database administrator, and a tester.

5. Sprint Planning and Execution

a. **Sprint Planning**: At the beginning of each sprint, the team holds a sprint planning meeting to select the User Stories to be completed. The tasks are then moved from the Backlog to the To Do column.

b. **Daily Stand-ups**: Short daily meetings where team members discuss their progress, any roadblocks, and plans for the day.

c. **Sprint Review**: At the end of each sprint, a review meeting is held to demonstrate the completed work to the stakeholders.

d. **Sprint Retrospective**: After the sprint review, the team holds a retrospective meeting to discuss what went well, what could be improved, and how to implement those improvements in the next sprint.

6. Tools and Technologies

a. **JIRA**: Used for task management and sprint tracking.

   o **Link**: https://id.atlassian.com/invite/p/jira-software?id=j1pS-F5nRDaOYje0yp_Edg

b. **GitHub**: For version control and code repository management.

   o **Link**: https://github.com/YoungMatrix/STUDI-web-app

c. **HTML, CSS, JavaScript**: For front-end development.

d. **PHP with PDO**: For back-end development.

e. **MySQL**: As the relational database.

f. **Fly.io**: For deployment.

   o **Link**: https://studi-web-app.fly.dev