

REFLECTION REPORT

Healthcare Management System



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Introduction

Our project, the Healthcare Management System, aims to modernize and streamline hospital operations by enhancing efficiency, security, and user experience. In this first sprint, our focus has been on patient registration and appointment scheduling—two foundational components essential for the system's functionality. This phase has been crucial in setting up a structured workflow and ensuring smooth collaboration.

Team Contributions and Project Management:

Each member of our team has played an active role in different aspects of the project. To manage our workflow efficiently, we have been using Trello as our project management tool, structuring our board into four key lists:

1. **Backlog** – Tasks to be addressed in future sprints.
2. **To-Do** – Tasks for the current sprint.
3. **In Progress** – Tasks currently being worked on.
4. **Done** – Completed and reviewed tasks.

This system has allowed us to allocate responsibilities effectively, track progress, and maintain transparency within the team.

Challenges Encountered:

Despite our structured approach, we faced several challenges, including:

1. **Time Management** – Balancing the project alongside academic commitments required better scheduling.
2. **Technical Difficulties** – We faced issues with authentication system setup and appointment scheduling logic, which required extra debugging and refinement.
3. **Getting Stuck on Specific Tasks** – Some implementation details were complex, but through team discussions and problem-solving, we overcame obstacles efficiently.

Key Learnings and Future Improvements:

This phase has provided valuable insights into Agile development, highlighting the importance of structured project management, adaptive planning, and team coordination. Moving forward, we aim to enhance time management, improve sprint execution, and refine technical implementations to ensure smooth project progression.

While there is still much work ahead, this first sprint has laid a strong foundation for the next stages of development, and we are confident in our ability to build upon this progress.