

Week 1 Sprint Report

Overview

For the first week, our primary objective was to establish a solid foundation for the full-stack application. This involved setting up the necessary directories, installing essential dependencies, and building the initial backend and frontend components. To facilitate seamless deployment and efficient management of services, we integrated Docker containers into the application. Furthermore, we successfully established a connection with a MySQL database and designed the required tables for efficient storage and management of book reviews.

Accomplishments

Established project directory structure and set up necessary files and folders.

Created a basic REST API using Express to handle CRUD operations.

Configured a MySQL database and implemented necessary SQL queries for product reviews.

Set up the initial structure for the React frontend application.

Configured Axios for handling HTTP requests from the frontend to the backend API.

Integrated Docker containers for the client, server, and Nginx instances

Configuring Nginx to act as a reverse proxy for the application.

Week 1 project meeting to allocate work for the team in the upcoming week.

Setting up a webpack configuration to see real-time changes to the server.

Challenges Faced

Debugging and resolving issues related to Docker containerization.

Making the environment user development friendly for fellow developers.

Goals for Next Week

Implement user authentication and authorization for the application.

Enhance the frontend user interface and improve user experience.

Conduct thorough testing to identify and resolve any potential bugs or errors.

Conclusion

Overall, the first week of the sprint was productive, and we were able to lay the foundation for the full-stack application successfully. The team collaborated effectively, and we were able to address most of the initial challenges. Moving forward, we aim to build upon the current progress and deliver a robust and user-friendly application that meets the specified requirements.

Sprint Metrics

Total tasks completed: 1

Total hours spent: ~25 hours.

Remaining tasks for next week: 10

Thank you for your attention, and please feel free to reach out if you have any questions or need further clarification on the progress made during this sprint.