Farmers Hub App Development Log

EECS2311X Team 1

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Log Date: February 24, 2024

Meeting Minutes

Date of Meeting: January 17, 2024

Attendees: Vik, Sam, Dexter, Jai, Joseph

Summary of Discussion: Introductions and meeting the team, discussion of the course and project scope. Search for customer and project ideas.

Final points:

1. Four project ideas: News app, Agricultural marketplace app, Equipment listing app, Study group finder, lost item help app
2. Develop using Java/JavaFx
3. Get some user stories
4. Research Git and JavaFx

Date of Meeting: January 19, 2024

Attendees: Vik, Sam, Dexter, Jai, Joseph, Prof

Summary of Discussion: Discussion of project ideas and approach. Discussion of User stories. Presenting customer.

Final points:

1. News app is too basic

2. Need to find and meet with customer
3. Agricultural marketplace app fits the scope of the class
4. Agricultural marketplace and equipment sharing can be combined if within budget
5. No need for a separate back-end

Date of Meeting: January 24, 2024

Attendees: Vik, Sam, Dexter, Jai, Joseph, Mohammed

Summary of Discussion: Changes to main user stories and creating detailed user stories. Estimations of time and cost.

Date of Meeting: January 27, 2024

Attendees: Vik, Sam, Dexter, Jai, Joseph

Summary of Discussion: Meeting with customer and confirming detailed user stories and time cost. Q and A.

Date of Meeting: February 7, 2024

Attendees: Vik, Sam, Dexter, Jai, Joseph

Summary of Discussion: Finalized app features, decided on the tech stack (Java for backend, JavaFX for GUI), and set initial roles.

Final points:

1. Set up GitHub repository
2. Explore database options
3. Design app architecture
4. User authentication page

Rationale Behind Changes

Date of Change: January 19, 2024

Description of Change: Switched project from News app to Agricultural marketplace app.

Reason for Change: Better scope and solving a more urgent problem.

Impact of Change: Easier to find customer and develop user stories.

Date of Change: February 10, 2024

Description of Change: Switched from MySQL to Postgres for the database.

Reason for Change: Simplicity and ease of setup for a desktop app.

Impact of Change: Reduced complexity in database management and installation process for end-users.

Concerns

Date: February 12, 2024

Concern: App malfunctioning or not running as expected due to commit clashes

Proposed Solution: Have every collaborator commit regularly and run/test the main branch after every commit

Date: February 17, 2024

Concern: Sam not contributing to the remote repository due to git not working on his pc.

Proposed Solution: Send his assigned code to another team member to commit to the remote repository

Date: February 22, 2024

Concern: Potential strike affecting our project delivery

Proposed Solution: Go on with the iteration 1 as planned in case it does not happen

Task Assignments

Task: Draft planning document

Assigned to: Sam

Due Date: January 27, 2024

Task: Design app architecture

Assigned to: Joseph and Jai

Due Date: February 3, 2024

Task: Set up GitHub repository

Assigned to: Vik

Due Date: February 12, 2024

Task: Database setup

Assigned to: Dexter

Due Date: February 22, 2024

Development Tasks per User Story

User Story: As a farmer, I want to list my produce so that customers can browse and purchase them.

Tasks:

Design the product listing interface (Assigned to Jai)

User Authentication (Assigned to Joseph)

Testing: (Assigned to Vik)

Time Allocation: 7 days

Actual Time Spent: 4 days

User Story: As a farmer, I want to be able to rent out or sell my machinery/equipment to other nearby farmers.

Tasks:

Design the equipment listing interface (Assigned to Sam)

Set up the database (Assigned to Dexter)

Debugging: (Everyone)

Time Allocation: 4 days

Actual Time Spent: 2 days