Sprint 2 Planning Document

Guaranty Sheet Metal Inventory Management Web App

Sprint Goals:

1. *Enhance the PostgreSQL database to support new features: Settings, Inventory, Jobs, Purchases, and Dashboard.*
2. *Expand the React front-end application to include the new pages (Settings, Inventory, Jobs, Purchases, and Dashboard) and ensure they communicate effectively with the backend through API calls.*
3. *Extend the REST API using Node.js and Express.js to handle requests from the new front-end components.*

Sprint Duration:

Start Date: 2/27/2024

End Date: 3/26/2024

Duration: 3-4 weeks

Team Members:

- Jacob Carney
- Brandon Bejarano
- Michal Zajac
- Waleed Kambal
- Mason Wittkofski

Tasks Breakdown:

Objective 1: Enhance PostgreSQL Setup and Configuration for Additional Features

- Task: Update database schema to include tables and relations for Settings, Inventory, Jobs, Purchases.
  - Duration: 3 days
- Task: Implement changes on AWS.
  - Duration: 2 days

Objective 2: Expand Front-end Application Setup with React for New Pages

- Task: Develop the Settings page with forms to send data to the backend.
  - Duration: 2 days
- Task: Develop the Inventory page with CRUD operations on inventory items.
  - Duration: 3 days
- Task: Develop the Jobs page to manage job listings and statuses.
  - Duration: 3 days
- Task: Develop the Purchases page to track orders and expenses.
  - Duration: 3 days
- Task: Enhance the Dashboard to aggregate data from all new features.
  - Duration: 3 days
- Task: Ensure all new pages are integrated with the REST API for backend communication.
  - Duration: 4 days

Objective 3: Extend REST API Development for New Functionalities

- Task: Develop new API endpoints for Settings management.
  - Duration: 2 days
- Task: Develop new API endpoints for Inventory management.
  - Duration: 2 days
- Task: Develop new API endpoints for Jobs management.
  - Duration: 2 days
- Task: Develop new API endpoints for Purchases tracking.
  - Duration: 2 days
- Task: Ensure API supports Dashboard data aggregation.
  - Duration: 3 days
- Task: Test all new API endpoints.
  - Duration: 3 days

Stand-ups

- Time: Anytime that is convenient for the team
- Duration: 15-30 minutes
- Purpose: To discuss progress, address impediments, and plan for the day.

Sprint Review Meeting

- Scheduled for: Last day of the sprint
- Participants: Entire team

- Agenda: Review completed work, demo the new pages of the web app, gather feedback, and plan for the next sprint.

Sprint Retrospective

- Scheduled for: After the Sprint Review Meeting
- Participants: Entire team
- Purpose: Discuss what went well, what could be improved, and agree on action items to implement improvements in the next sprint.