Sprint 3 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: 3/26/2024

End Date: 4/23/2024

Duration: 3-4 weeks

Team Members:

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

Tasks Breakdown:

Objective 1: Document New Features and API Endpoints

- **Document API Endpoints**
    - Task: Create comprehensive documentation for all new API endpoints developed under the previous objectives.
    - Duration: 2 days
    - Document New Pages
    - Task: Write detailed user and technical documentation for the new pages developed in the front-end application.

- Duration: 3 days

Objective 2: Thoroughly Test New Functionalities

- **Test Front-end Pages**
  - Task: Conduct thorough functional and user interface testing on the new Settings, Inventory, Jobs, and Purchases pages.
  - Duration: 3 days
- **Test API Endpoints**
  - Task: Perform comprehensive testing of all new API endpoints to ensure they meet functional and performance requirements.
  - Duration: 3 days
  - Integration Testing
  - Task: Execute integration testing to verify that new pages work seamlessly with the updated APIs and database schema.
  - Duration: 2 days

Objective 3: Identify and Resolve Bugs

- **Front-end Bug Fixes**
  - Task: Identify and fix any bugs found in the new front-end pages during testing phases.
  - Duration: 3 days
  - API Bug Fixes
- **Identify and resolve any issues or bugs in the new API endpoints.**
  - Duration: 3 days
- **Database Bug Fixes**
  - Task: Troubleshoot and correct any issues arising from the new database schema implementations.
  - Duration: 2 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.