

Gear Jammers Project Plan

John Ponte
Ryan McAllister-Grum
Tarika Common

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1. Scope Statement

This project focuses on the creation and integration of an RMA (Return Merchandise Authorization) System to track returns using a graphical interface. The RMA will track returns based on the purchase order # and status of the items being returned. The system will also be able to note specific issues with products including defects, replacements, or refunds for customers. Our RMA will save time and improve efficiency of sales logistics for our target market of merchandising and product companies with warehousing operations.

Requirements

Windows

Standalone application

Java and JavaFX

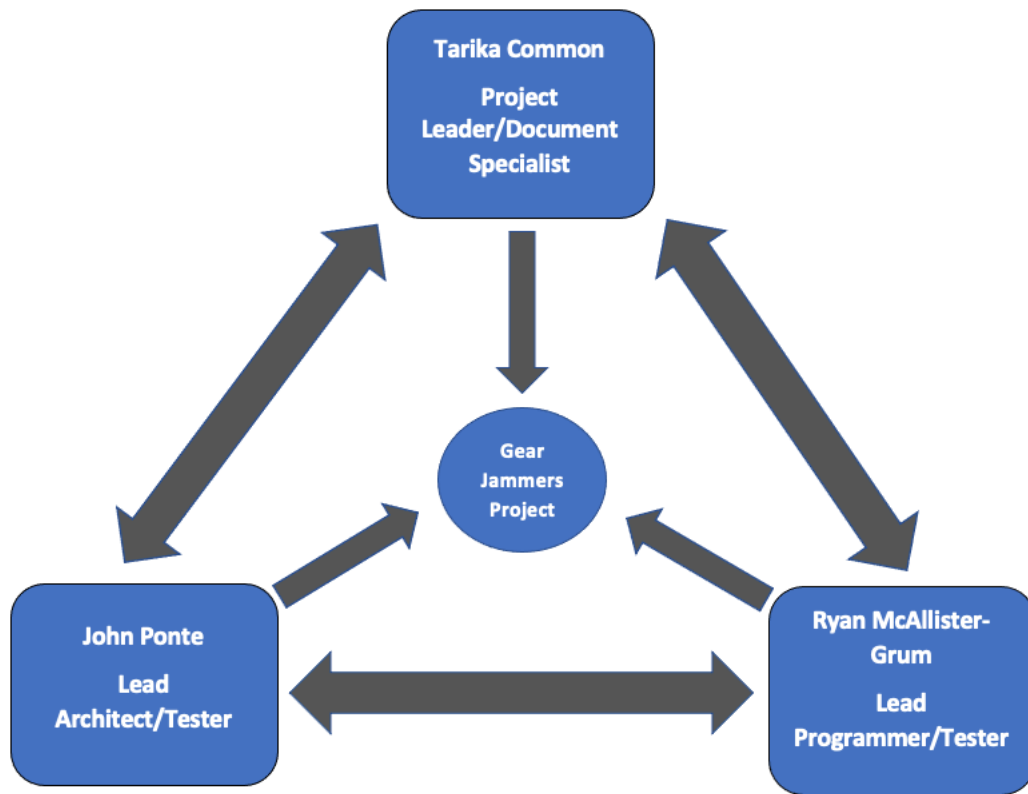
Features

Microsoft SQL database to track customer return order information

Notifications within application for saving and submissions

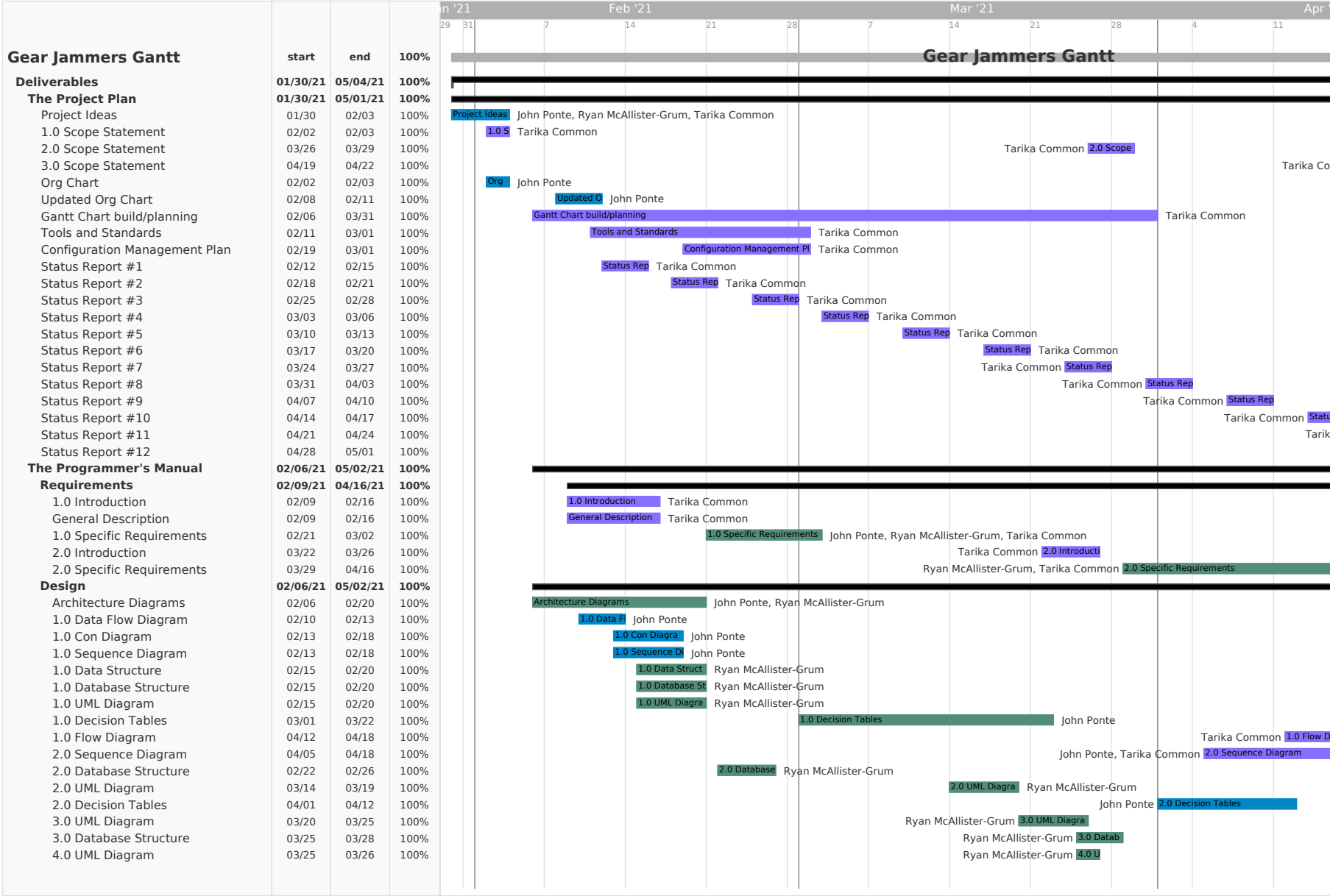
JavaFX to build GUI using UI Controls

2. Org Chart

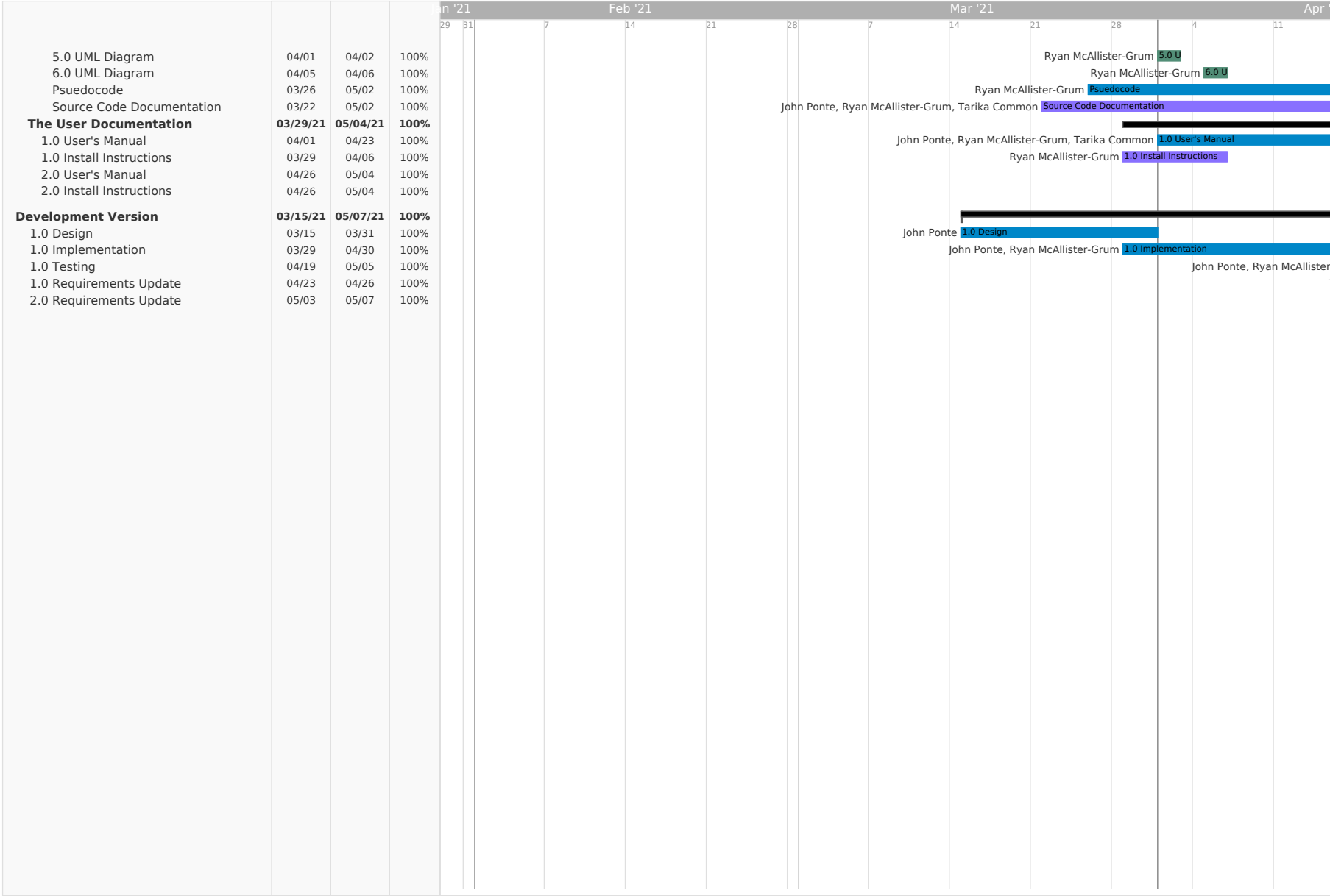


Gear Jammers – Project Plan – Gantt Chart

3. Gantt Chart



Gear Jammers – Project Plan – Gantt Chart



4. Tools and Standards

4.1 Development Environments

- IntelliJ is the IDE used for this project. IntelliJ can be downloaded from <https://www.jetbrains.com/idea/> for Windows.
- We used JavaFX Scene Builder to create the user interface for our application. <https://gluonhq.com/products/scene-builder/>, <https://www.oracle.com/java/technologies/javase/javafxscenebuilder-info.html>.
- We used MSSQL for our database. MSSQL can be downloaded from <https://www.microsoft.com/en-us/sql-server/sql-server-downloads>.
- We used JDBC to connect to the SQL Server database from Java. <https://docs.microsoft.com/en-us/sql/connect/jdbc/download-microsoft-jdbc-driver-for-sql-server>

4.2 Design Tools

- Visio
- Scene Builder for JavaFX

4.3 Standards

- Incremental Process Model was used for this project.
- Source code documentation follow the Javadoc standards.

5. Configuration Management Plan

- Various version will be tracked via Google Drive. Folders created for “meeting minutes”, weekly reports, and separate folders for deliverables that hold any files that are needed to assist with each document.
- Programming files will also be store on Google Drive with the latest updated versions.
- Older versions will remain local. Each updated file will include the version number at the end.
- Complete versions will also remain local.

6. Status Reports

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Status Report #1

15 February 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

MEETINGS

Schedule

1. We will have meetings scheduled twice a week on Monday and Friday. This will be tracked via Google Calendar. Tarika will keep a record of each meeting's notes in a Google Doc.

Activities

- Assigned group roles
 - Tarika Common - Project Lead and Primary Document Specialist
 - John Ponte - Architect and Tester
 - Ryan McAllister-Grum - Lead Programmer and Tester
- Planning
 - Software Life Cycle - Incremental
 - Discussion of using Google Drive and Documents to share files
 - Discussed overall requirements for application and as an end user
 - Focus will be on the RMA
 - Project tracking and diagrams

NOTES

- **Tarika Common** using Trello boards and TeamGantt to track progress and create Gantt Track. Tracking meeting minutes, starting document requirements.
- **John Ponte** created several diagrams to help with development. Diagrams created: Sequence Diagram, Flow Chart Diagram, Con Diagram.
- **Ryan McAllister-Grum** assisted with planning and creating of diagrams and database requirements.

THIS WEEK'S AGENDA

Managing credentials with MSSQL, data modeling, interface design, document updating in Google Docs and tasks via TeamGantt. Diagrams will have multiple drafts.

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Status Report #2

22 February 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Discussed access and management of employee info with MSSQL and how RMA will represent the data required for a business and a customer. Decided to have a more focus on the RMA side than the CRM.
2. Discussed what is needed for the interface. We will use screen builder to help build the interface for JavaFX.
3. Discussed tools that will be used and continued the updating of diagrams and project flow.
4. Discussed functionality of each section of the application and dependables.

NOTES

- **Tarika Common** updated the gantt chart, reorganized google drive documents, updated documentation, and tracked the flow of the added diagrams. Also, assigned new tasks for the upcoming week.
- **John Ponte** made updates to diagrams(sequence), created first drafts of interface, and started the process of deciding what should be included in a decision table.
- **Ryan McAllister-Grum** handled static database connector and database service provider. Also, worked on the UML diagram and updating for the database general requirements.

THIS WEEK'S AGENDA

Continuing working on decision tables, second and third versions of interface design, UML diagram, and updating of documentation.

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Status Report #3

1 March 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Worked on getting requirements to create decision tables.
2. Gathered special requirements of each screen/window for RMA.
3. Discussed updated interface design using JavaFX
4. Made critical decisions regarding database interaction and how certain elements should be limited for each user (example, analyst can or can't make the same edits an engineer would be able to).

NOTES

- **Tarika Common** updated documentation and worked on the first edit of special requirements gathered during our group meeting.
- **John Ponte** worked on making updates to interface and other requirements needed for elements.
- **Ryan McAllister-Grum** worked on how to handle log in credentials in regards to interface and database functionality. Create a test app to log in to sql server.

THIS WEEK'S AGENDA

Continue working on requirements, revise interface and test database access points.

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Status Report #4

8 March 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Usage of Scene Builder with IntelliJ and user access.
2. SQL dependencies and assumptions made by a user.
3. What user levels are expected to do: example admin roles.
4. Running project outside of IDE.
5. Sequence Diagram updates with changes.
6. Deciding on making changes to our scope.

NOTES

- **Tarika Common** working on the official draft of the Project Plan document.
- **John Ponte** updating sequence diagram, decision tables, and research on packaging the project.
- **Ryan McAllister-Grum** worked on user roles and database connection.

THIS WEEK'S AGENDA

Continue with requirements, user permissions, how to package and deploy, manual installation steps, and scope edits.

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Status Report #5

15 March 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Log-in form creation with different user roles.
2. Test form to make sure database connection is working.
3. Updating of scope based on deliverables and time constraints.
4. How to package our database.

NOTES

- **Tarika Common** requested installation/setup instructions for Microsoft SQL, worked on documentations and continued organization of the gantt chart.
- **John Ponte** updated the decision table and interface. Worked on overall scope changing.
- **Ryan McAllister-Grum** worked on database connections and creating a document for user installation instructions of Microsoft SQL for the user documentation deliverable.

THIS WEEK'S AGENDA

Discuss next steps with scope change, packaging of project, and any possible changes with our database.

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Status Report #6

22 March 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Removed CRM from project scope.
2. Updates needed with the scope change.
3. Make updates to the decision table.
4. Created more instructional steps and gathered details for development phases.

NOTES

- **Tarika Common** continued with updating required documentation and formatting of instructional material.
- **John Ponte** worked on JavaFX, updated the decision table.
- **Ryan McAllister-Grum** worked on creating the JAR file, updated class diagram and database diagram.

THIS WEEK'S AGENDA

Continue with the development phrases of the project, dividing classes to complete referencing the class diagram, start planning on testing, making updates and changes to tasks within the Gantt chart.

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Status Report #7

29 March 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Updates to diagrams.
2. Changes going forward with special requirements.
3. Continue development phases.

NOTES

- **Tarika Common** updating documentation to match revised scope statement, review updates for UML diagram, requirements, and kanban board.
- **John Ponte** updated the decision table and continues with development.
- **Ryan McAllister-Grum** updated UML diagram to match our special requirement tasks, update special requirements, and development.

THIS WEEK'S AGENDA

Continue with development, updating kanban board and gantt chart, continue to adjust diagrams as we continue through our phases as we discover our requirements are changing or increasing.

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Status Report #8

5 April 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Continued work on development and refining requirements.
2. Made decisions regarding some of the features we wanted to include.
3. Will not include charts built using JavaFX due to time constraints.
4. Preparing for testing phrases.

NOTES

- **Tarika Common** continues with updating documentation and checking requirements and checking diagrams for any details that need to be updated in newer versions.
- **John Ponte** continues with development and adding to the decision table. Will be creating a base for testing.
- **Ryan McAllister-Grum** continues with development, class diagram update and database. Ensuring the connection with the application works.

THIS WEEK'S AGENDA

Continue with development, updating documentations, updating versions of diagrams.

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Status Report #9

12 April 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Continued work on development and refining requirements.
2. Preparing for testing.
3. Going back to update old diagrams and check for missing diagrams.
4. More refinement of class diagram, decision table, and database structure.

NOTES

- **Tarika Common** adding a version of a flowchart, updating gantt chart, moving overall requirements to our deliverables documentation.
- **John Ponte** continues with development, additional updates to the decision table, and preparing for testing.
- **Ryan McAllister-Grum** continues with development, preparing pseudocode documentation, assisting with testing.

THIS WEEK'S AGENDA

Continue with preparing for testing, updating diagrams for a full review of our project status by the following week.

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Status Report #10

19 April 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Next steps for project completion
2. Users to add to database and users to use for testing
3. User Manual
4. Changes made to the Trello Board and Gantt Chart
5. Overhaul of special requirements document

THIS WEEK'S AGENDA

- **Tarika Common:** working on flowchart, adding new changes to Gantt chart, checking overall time left for the project.
- **John Ponte:** completing black box and white box documents to start testing.
- **Ryan McAllister-Grum:** continues with development and pseudocode documentation.

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Status Report #11

27 April 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Review project status
2. What is left to be tested
3. Any issues or bugs present or need to be worked through
4. Project completion cutoff date
5. Showcase of the project documents
6. How to create user guide

THIS WEEK'S AGENDA

- **Tarika Common:** continue to work on project documents, reformatting and adding diagrams
- **John Ponte:** completing black box and white box testing
- **Ryan McAllister-Grum:** continues with development and pseudocode documentation.

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Status Report #12

3 May 2021

GROUP MEMBERS

John Ponte, Ryan McAllister-Grum, Tarika Common

UPDATES

Discussion

1. Final reviews of project
2. Reviewing process created for installation
3. Review any bugs
4. Continue work on final completion of documentation
5. Decide on location to represent white box testing
6. Finalize formatting for user guide

THIS WEEK'S AGENDA

- **Tarika Common:** Work on finalizing project documents and formatting all needed pieces
- **John Ponte:** complete final portions of testing
- **Ryan McAllister-Grum:** continue with any development clean up before submission