Hamdy:

Primarily focused on UI enhancements, functionality debugging, feature implementation, and code maintenance. Notable areas include:

* UI Improvements: Refined the dashboard, and login forms, and improved light/dark modes.
* Feature Enhancements: Enhanced the search algorithm, report generation, and edit user logic.
* Bug Fixes: Addressed multiple logic, UI, and data handling issues across the dashboard, inventory, and user management systems.
* Backend Integration: Improved inventory data management (CSV)
* Added helper functions and default data handling.
* Merge Conflicts: Resolved merge conflicts
* Integrated branches: integrated branches.

Omar:

Focused on dashboard and Logging implementation, system interconnectivity, and UI details, especially around user feedback and display elements. Contributions include:

* Implemented the dashboard, displaying the best and worst sellers, low-stock alerts, and item counters.
* Implemented the OperationRecord class for storing and managing all of the logs of the system, so that it can be used throughout the different application sections.
* Connected the inventory system to the whole application, ensuring real-time item data reflection.
* Repositioned UI elements and cleaned the code from unnecessary functions, and implemented fixes for item comparison logic.
* Implementation of the logs feature, and supported final phases of report generation, and added personalised welcome messages.
* Proposed and converted internal structures (e.g., QSet to QVector for items) as it was more feasible.
* Set up the signup screen (later converted to a user creation screen) and contributed to the item data structure (item.cpp).
* Helped with foundational merges and resolved local repo issues.
* Worked on marketing the software package through slide creation.

Ahmed:

Focused heavily on modularizing features, validation logic, UI interactivity, and code cleanliness. Contributions include:

* Item Photo Management: Implemented the full feature set for adding and displaying item photos.
* Handled integration between image upload and item records.
* Improved separation of concerns between UI, logic, and data handling.
* Add Item Form: Reorganized and modularized the “Add Item” form, with connections from both the dashboard and inventory.
* Validation Systems: Developed password, username, and item entry validations.
* Ensured persistent theme preference across user sessions.
* Theme System: Created and refined a system for switching between light/dark themes, accessible from both login and settings.
* User/Admin Pages: Shared in creating forms for editing user roles, adding new users, and improving the admin interface.