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SDC342

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Application Testing Documentation

1. Authentication & Authorization

Description of What Was Tested:

We tested user login, account creation, password validation, logout functionality, and role-based access to ensure only authorized users could access specific pages.

How Testing Was Performed:

Multiple team members created test accounts and attempted valid and invalid login attempts. We tested incorrect passwords, empty fields, and duplicate account registration. We also verified that restricted pages could not be accessed without authentication and confirmed that logout properly destroyed the session.

Results:

Initial issues were identified with password validation during account creation and the logout button not functioning consistently across pages. These issues were corrected, and retesting confirmed that authentication and session handling worked properly in the final version.

2. CRUD Operations (Database Functionality)

Description of What Was Tested:

We tested Create, Read, Update, and Delete functionality for customers, complaints, and related database records to ensure accurate database interaction.

How Testing Was Performed:

Team members manually added new records, updated existing records, deleted entries, and verified that changes reflected immediately in the database through phpMyAdmin. We also tested edge cases such as incomplete form submissions and invalid inputs.

Results:
Minor validation and schema alignment issues were identified during testing. After resolving these issues, all CRUD operations performed correctly, and database integrity was maintained.

3. Navigation & Link Validation

Description of What Was Tested:
We verified that all internal links, navigation buttons, and redirects functioned properly throughout the application.

How Testing Was Performed:
Three team members independently navigated through every page and tested each link and button to ensure proper routing and page rendering. Broken links or incorrect redirects were documented and corrected.

Results:
Several minor path inconsistencies were discovered and resolved. Final testing confirmed that all links and navigation flows functioned as expected.

4. User Interface & Styling Consistency

Description of What Was Tested:
We tested the visual consistency of the application across all pages, including form layout, button styling, and header formatting.

How Testing Was Performed:

We reviewed each page to confirm that the shared stylesheet was applied correctly and that formatting remained consistent after integration updates.

Results:

A few pages were initially missing stylesheet references. After correcting the file paths, the final application displayed a consistent and polished interface.

Overall Testing Approach

Testing was conducted collaboratively, with multiple team members reviewing functionality to ensure broader coverage and error detection. Bugs were reported and either fixed by the person who identified them (if minor) or escalated for deeper debugging. Final regression testing was performed after fixes to confirm system stability.