2.3.1: Functional Requirements

1. User Authentication: The system shall allow users to log in using UserID and password and verify their role before granting access.

2. Role-Based Dashboard: The system shall redirect users to dashboards based on their role (CEO, Manager, Auditor).

3. User Account Management: The system shall allow the CEO to create, update, and delete Manager and Auditor accounts.

4. Project Creation: The system shall allow the CEO to create projects and assign them to Managers, and allow Managers to create projects assigned to themselves.

5. Project Deletion: The system shall allow the CEO and Managers to delete projects when they are completed or no longer needed.

6. Assignment Management: The system shall allow the CEO and Managers to create and delete assignments and assign them to Auditors.

7. Report Submission: The system shall allow Auditors to submit reports for their assigned assignments.

8. Report Editing: The system shall allow Auditors to edit submitted reports before approval.

9. Report Review & Approval: The system shall allow Managers and CEOs to approve, reject, or provide feedback on reports.

10. Project & Assignment Viewing: The system shall allow Auditors to view only the projects and assignments assigned to them.

2.3.2: Non-Functional Requirements

1. Security: The system shall ensure secure access using authentication and role-based authorization.

2. Performance: The system shall load dashboards and data within 3 seconds under normal operating conditions.

3. Reliability: The system shall ensure data consistency and prevent data loss during system failures.

4. Usability: The system shall provide a simple and intuitive user interface that can be used without training.

5. Availability: The system shall be available at least 99% of the time during business hours.

6. Maintainability: The system shall be modular and easy to maintain and update without affecting existing features.

7. Scalability: The system shall support growth in users, projects, and reports without performance degradation.

8. Compatibility: The system shall run on Windows-based systems and support the required frameworks.

9. Data Integrity: The system shall ensure that all data modifications are validated before being stored.

10. Auditability: The system shall maintain a complete audit trail of all important actions for compliance purposes.