SOFTWARE REQUIREMENT SPECIFICATION
INFRA AUDITS - Analysis Report Generation

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1. INTRODUCTION :

1.1. Purpose:

The purpose of this document is to present a detailed description of the Infra Audits Portal.It will explain the Project, the working of the System, the features of the system and the workflow of the website and will explain the functioning of the website. An overview of the website is given in the form of a flow diagram.

1.2. Scope of Project:

- This software creates a platform to manage the auditing process which includes assigning auditing tasks, generating audit reports, review reports, check for complaints, assign rectification works, check for completed and incomplete tasks and maintain all the data of the auditing process.

- It provides different portals for each category of user based on their role in the auditing process and maintains a separate database. The State of work done is made available to the manager to manage the process efficiently.

2. SYSTEM OVERVIEW:

2.1. Users:

1. Manager:

The Manager supervises the process, assigns auditing jobs to auditors, reviews the report submitted by the auditors, assigns tasks for technicians, monitors the completed and incomplete tasks.

2. Auditors:

Auditors are responsible for conducting audits, views if any job is assigned through the platform, and creates auditing reports through the website.

3. Technicians:

Technicians check for assigned tasks, view the issues to be solved, and report if the task is completed, or report the stage of completion.

2.2. Features:

1. Login :
Manager, Auditors and technicians can login with their account.

2. Assign Auditing Job:
Manager can assign different audits to different auditors with the details of the area mentioned.

3. Create Auditing Report:

Auditor audits the infrastructure and fills the audit report specifying the damages and the issues found with what he observed and mentions his suggestions if any.

4. Review Report And Assign Tasks:

The reports created by auditors are sent to the manager for reviewing. After reviewing, the manager assigns a technician based on the issues mentioned and the details of the issue are shared.

5. Resolving The Problem:

- The Technicians take on the tasks assigned and update the status of task completion (Completed, Incomplete, Cannot Complete).
- A Photo as proof of "Completion" is attached if tasks are completed.
- If Task "cannot be completed" then the reason is entered

6. Human Capital Management:

- Manager can add new Technicians and Auditors by entering their details.
- Manager can view existing human resources's profile.

Functional Requirements:

Task Assignment: Manager (managers) should be able to assign auditing tasks to auditors.

Report Generation: Auditors should be able to generate audit reports based on their observation.

Report Review: Manager should be able to review audit reports.

Rectification : Managers should be able to assign rectification works based on issue.

Task Tracking: Manager should be able to track the status of auditing tasks, including completed, incomplete tasks and tasks marked as Cannot Complete.

Non-functional Requirements:

Performance: when there are several users and a lot of data being processed at once, the system should remain responsive and effective.
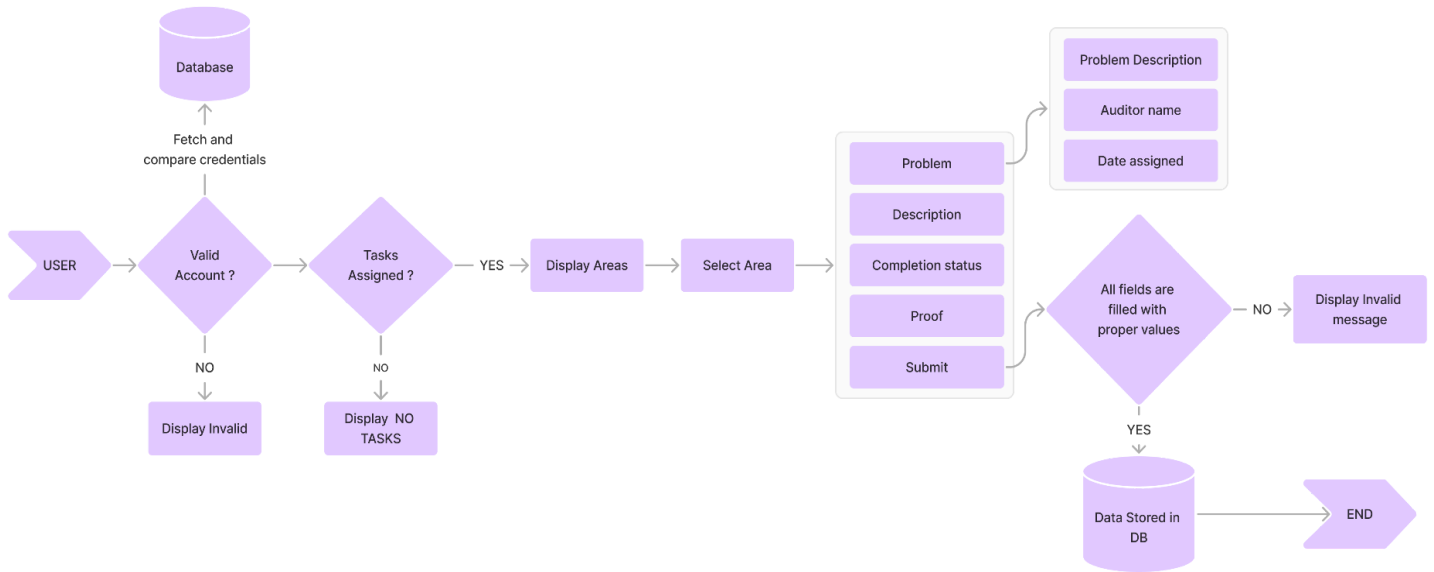
Security: The platform should have proper security measures to handle data security.

Reliability: Throughout business hours, the system needs to be dependable and free from frequent outages.
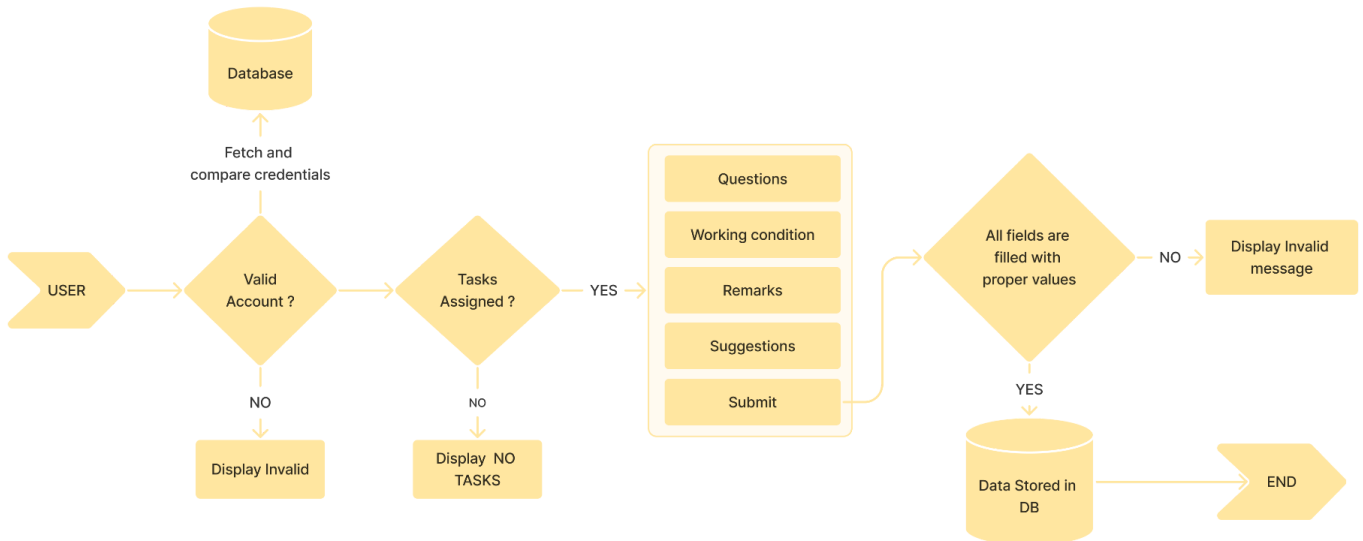
Scalability: The system should be able to handle an increasing number of users and data volume as the organization grows.

Usability: The platform should provide an easy-to-use interface, easily understandable navigation, and adaptable design to facilitate efficient task completion and enhance user satisfaction.

TECHNICIAN' S INTERFACE :

AUDITOR' S INTERFACE :

MANAGER'S INTERFACE :