

Software Requirement Specification for Staff Work Status Portal

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Project Details:

Project Name	Essential Staff work status Portal
Description	Build an App with the following data that helps to know the work status of the Essential staff. • The date & Session should be displayed • Task ID • Nature of the work • Location of the work • No. of Essential staffs assigned • Name of the essential staff attending • Duration of the work • Status of the work • Remarks
Domain	Special Labs
Stack	LAMP

1. Introduction:

1.1. Purpose:

The This document outlines the staff work status portal in detail. It dives into the portal's functionalities, user interfaces, overall system operations, and limitations. The document also explains the data the portal will provide, directly addressing the identified problem.

1.2. Scope of Project:

- This web application will act as a portal for Camps Maintenance Team, enabling them to regulate the workflow around the camps. From an administrative perspective, this system will provide a analytical dashboard on staffs work status.
- The overall scope of the project is to give a analytic dashboard which helps in maintaining the workflow by providing the total insight of the work and the requirement of the ongoing work. Which helps in assigning tasks, work status tracking, Prioritizing, Time Tracking.

1.3. Product Value:

The portal enables the manager to view real time insight of the work, efficiently manage the task, visibility into the work happening in various sites, Staff accountability, status tracking, by analysing the data employer can make data driven decisions, the webpage empowers the informed choices. These things provide grate value to the product.

2. Breakdown of the Requirement:

The objective of the portal is to create a easier workflow among the management by tracking the employee work status,

2.1. USER:

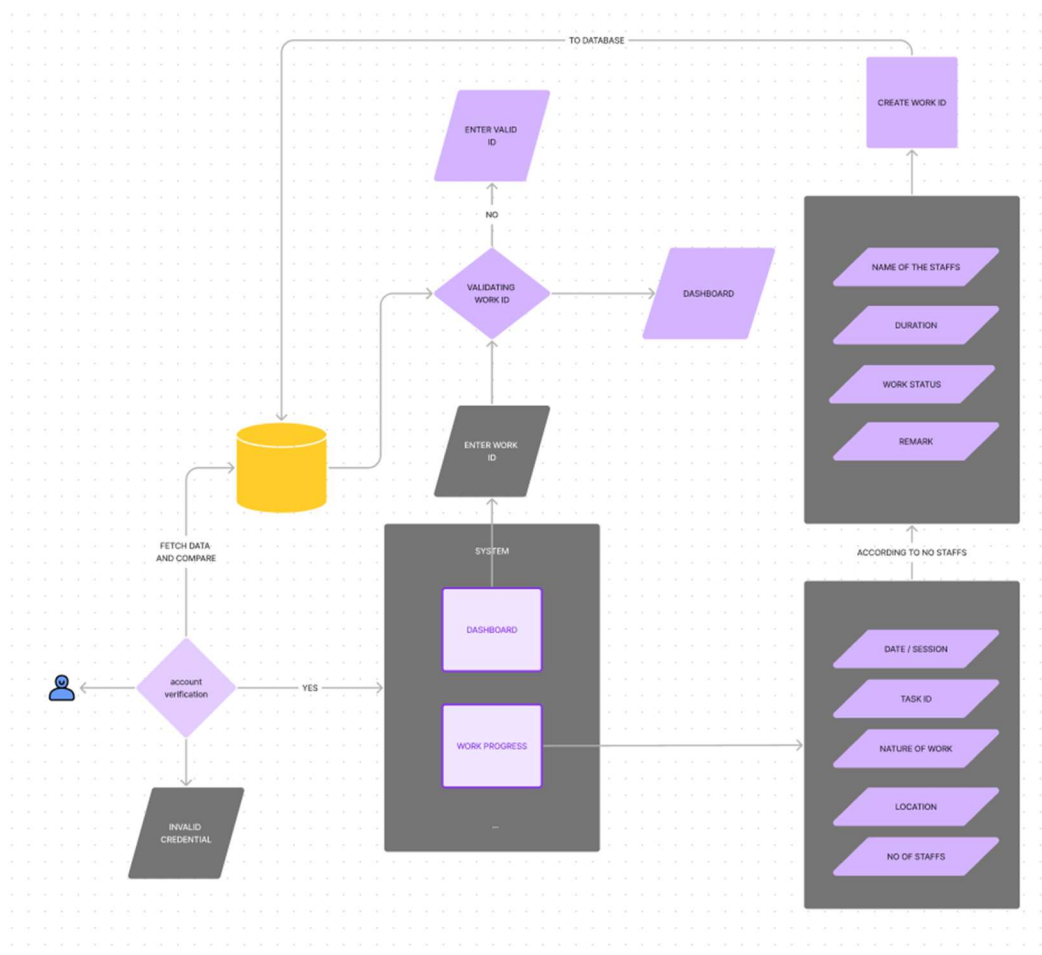
Data Input Fields: Create input fields for the following information:

- Date and session of work
- Task ID
- Nature of the work
- Location of the work
- Number of essential staff assigned
- Name of the essential staff attending
- Duration of the work
- Status of the work
- Remarks

Employers/admins are responsible for:

- Reviewing and managing employee work status data.
- Approving or updating work status entries.
- Monitoring overall work progress.
- Accessing analytical insights for resource allocation.

2.2. FLOW CHART:



2.3. KEY FEATURES:

Login and Authentication:

- Implement secure login functionality for employers. Only authorized users should access the webpage.

Work Status Data Entry:

- Interface where employers can assign tasks to employees. Include dropdowns or autocomplete fields for task details. (date, task details, staff assignments, etc.).

Work Status Dashboard:

- The dashboard displays real-time work status:
- Completed tasks.
- Ongoing projects.
- Pending assignments.
- Staff availability.

Location-Based Filters:

- Employers can filter data by work location (e.g., AS, IB, Sunflower block etc).

Resource Allocation Insights:

- Analytical dashboards provide data on:
- Staff workload.
- Task distribution.
- Efficiency metrics.

3. Stack Architecture and Infrastructure:

Hosting	Cloud hosting (e.g. AWS) on Linux VMs or containers
Database	MySQL (RDMS) for structured data.
Front-end	HTML , CSS , JavaScript , technologies
Back-end	PHP, Frameworks (Laravel), RESTful APIs

4.Non-Functional Requirements:

- **Performance:** The system must respond to user actions within 2 seconds to ensure efficient usability and must handle a concurrent user load of at least 100 users without significant performance degradation.
- **Security:** User data must be encrypted during transmission and storage, and access to sensitive functionalities should be restricted to authorized admin users through secure authentication mechanisms.
- **Usability:** The user interface should be intuitive and user-friendly, with clear and concise error messages provided to guide users in case of input errors or system failures.
- **Reliability:** The system should be available 24/7 with minimal downtime and should have a backup and recovery mechanism in place to prevent data loss in case of system failures or crashes.
- **Scalability:** The system should be designed to accommodate an increasing number of users and data volume over time, and it should be scalable to support additional features and functionalities as per future requirements.

5. Dependencies:

5.1. Google Authentication (Google Auth) :

This dependency includes ensuring seamless integration with Google's authentication services, such as OAuth, to allow users to securely log in using their Google accounts.

5.2. Proper Working and Performance of the Database:

This includes designing an efficient database schema to store user data, events, news articles, job postings, and other relevant information. The database should be optimized for fast retrieval and storage of data to ensure smooth performance of the platform,

5.3. Proper Hosting:

This includes selecting a hosting provider that offers sufficient resources, scalability, and reliability to support the expected traffic and usage patterns of the platform. The hosting environment should also provide adequate security measures to protect user data and prevent unauthorized access