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Seat No: 107
Project ID: 27
Project title: FITNESS CERTIFICATE

Technical Components

Component	Tech Stack
Backend	Express.js, Node.js
Frontend	Angular
Database	MongoDB
API	REST Ful API

Implementation Timeline

Phase	Deadline	Status	Notes
Stage 1	02/05/2024	Under review	Planning and Requirement gathering
Stage 2		Not started	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation

PROBLEM STATEMENT:

Develop a web portal that provides a summary of Fitness Certificate (FC) categories. The portal should display the number of "NO" responses for each FC category. FC submissions are required bimonthly.

Additionally, the portal should identify instances where three consecutive "NO" responses occur within the subcategories of each FC. Upon identification, a list of these subcategories should be presented in a pop-up window for further action.

PROJECT-FLOW:

Purpose:

The primary objective of this project is to develop a comprehensive web portal tailored to facilitate the efficient management of Fitness Certificates (FC) across various categories. The portal aims to provide a centralized platform that enables users to seamlessly oversee and address existing issues related to FC compliance.

Scope:

The scope of this project encompasses the development of a comprehensive web portal tailored for the efficient management of Fitness Certificates (FC) with user and admin access, featuring category-specific questions, binary responses, analytics, and a view will be enabled for three consecutive "no" responses with respect to bimonthly submission period.

Business Context:

The Fitness Certificates (FC) Management Portal is designed to streamline compliance tracking and ensure facility and safety standards across BIT, thereby optimizing operational effectiveness by mitigating compliance risks. Key stakeholders encompass faculty, administrative staff.

User personas:

- **Faculty:** Submits the Fitness Certificate (FC) Bimonthly.
- **Admin Staff:** Checks for any issues to provide necessary solution.

Features:

- **User Login:**

Faculty members can login with their registered accounts.

- **Submission Form:**

Faculty members can submit the fitness certificate form. The time period of submissions is bimonthly.

- **Form Status:**

Faculty members can view the status of fitness certificate instantly. Number of NOs in each category and number of 3 consecutive NOs with its list in each category can be viewed.

- **Admin Access:**

Admin can view all the submissions in admin's dashboard. It consists of information that includes category name and number of Nos. Admin is also capable of editing, adding or deleting the questions in the questionnaire form. Admin can specifically view the categories that has 3 consecutive Nos.

Functional Requirements for the User Portal:

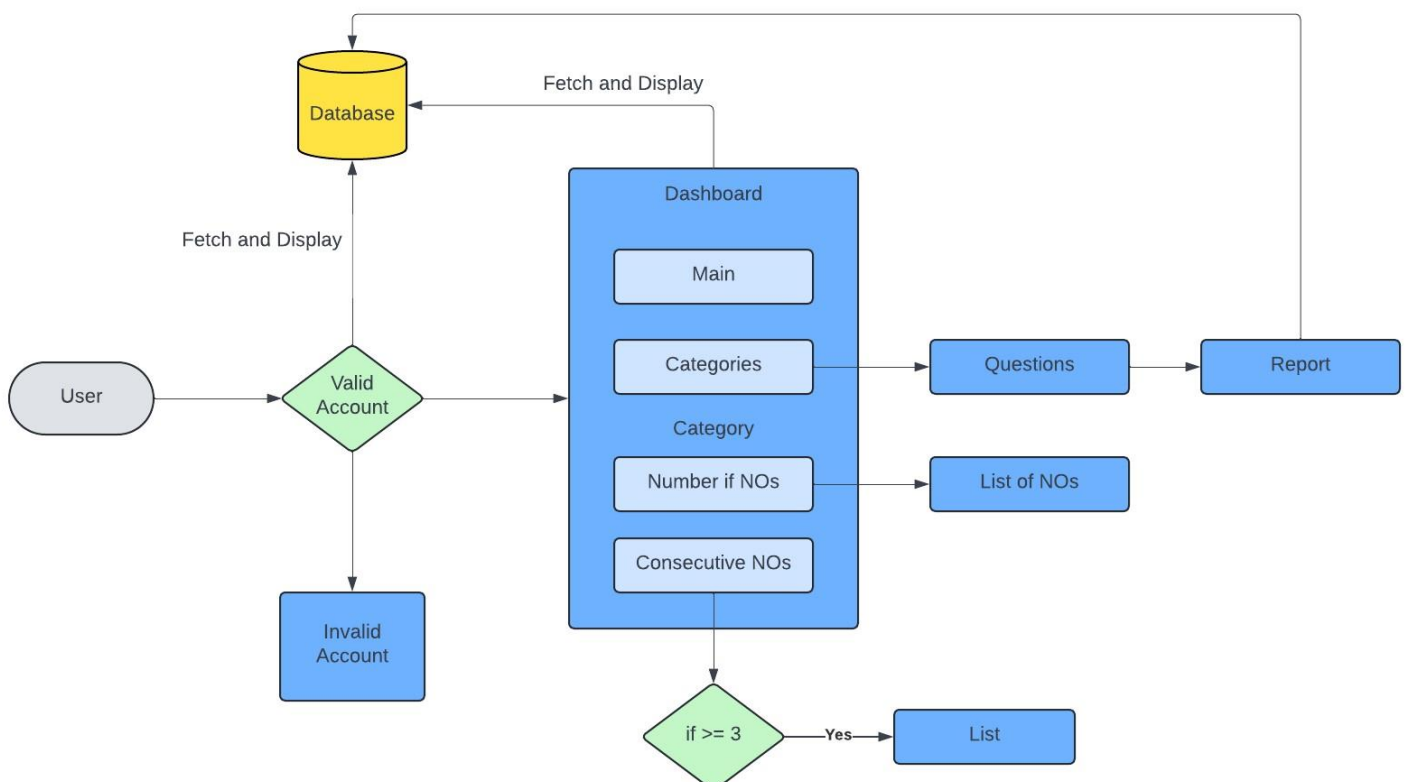
- **User Login:** Users should be able to log in to the portal using their registered username and password.
- **Category Selection:** Upon login, users should be presented with a list of categories assigned to them. Users can select a category to view the questions within that category.
- **Questionnaire:** Each category should contain a set of questions with yes or no answers.
- **Tracking Responses:** The system should keep track of the number of "no" responses for each question and display them to the user.
- **Bimonthly Submission:** The system should monitor the submission frequency and validate if there are three consecutive "no" responses with respect to bimonthly submissions.

Functional Requirements for the Admin Portal:

- **Admin Login:** Administrators should have a separate login interface to access the admin portal.
- **Category Management:** Admins should be able to view and manage all categories, including creating, editing, and deleting categories.

- **Question Management:** Admins should have the ability to add, edit, and delete questions within each category.
- **Response Monitoring:** Admins should be able to view the number of "no" responses for each question and category.
- **Analysis:** The system should analyze the submission history and identify categories with three consecutive "no" responses.
- **Special Attention Category:** Admins should have a special attention category option where they can view the categories that have three consecutive "no" responses with respect to the bimonthly submission.
- **Detailed Category View:** Upon selecting a category, admins should be able to view the number of "no" responses and the specific questions with three consecutive "no" responses.

FLOWCHART FOR USER PORTAL



FLOWCHART FOR ADMIN PORTAL

