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Sathyamangalam - 638401 Erode District, Tamil Nadu, India

Stay Ahead

Software Requirement Specification

For

BIT HACK EVENT FORUM

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Project Id & Name	**4 - BIT HACK EVENT FORUM**
TECHNOLOGY STACK	**LAMP**

PROBLEM STATEMENT:

The current problem is that existing event platforms make it difficult for organizers and participants to connect effectively. Organizers struggle with managing events, and participants have trouble finding the right events, forming teams, and sharing knowledge.

We need a platform that's user-friendly for both sides. Organizers need tools to simplify event management, while participants need features to easily connect, build teams, and share ideas. This will create a smoother event experience for everyone involved.

Introduction

- Project Description: The BITHACK Event Forum is a web-based platform that connects event organizers with participants specifically for hackathon events.
- Purpose: This document outlines the software requirements for the BITHACK Event Forum, specifying functionalities, user roles, and technical considerations.

Overall Description

Product Perspective: The BITHACK Event Forum caters to two primary user groups: event organizers and participants.

Product Functions: The platform offers functionalities for:

- User registration and login
- Hackathon discovery and registration for participants
- Team formation
- Knowledge sharing forum for participants
- Participant management and registration details for organizers
- Problem statement creation and management for organizers
- Forum moderation for organizers (including comment deletion in forum)

Specific Requirements

User Roles:

- **Participant:** Register, discover hackathons, form/join teams, participate in forum discussions, upload relevant files (optional).
- **Organizer:** Manage participant registrations, create/edit problem statements, moderate forum discussions.
- **Admin :** Manage user accounts, system configurations, access control.

Functional Requirements

Identify key features and functionalities required for the platform.Based on your initial ideas, here's a breakdown of the requirements for BITHACK Event Forum, categorized by user type (Organizer and Participant).

Participant Features:

- **Registration:**
  - A registration page to create a user account.
  - Login functionality to access the platform.
- **Event Discovery:**
  - A homepage displaying upcoming hackathons.
  - Ability to search for hackathons based on keywords or categories.
- **Team Formation:**
  - Tools to create teams or join existing teams.
- **Knowledge Sharing:**
  - A forum for participants to discuss ideas, ask questions, and share knowledge related to hackathons.

Organizer Features:

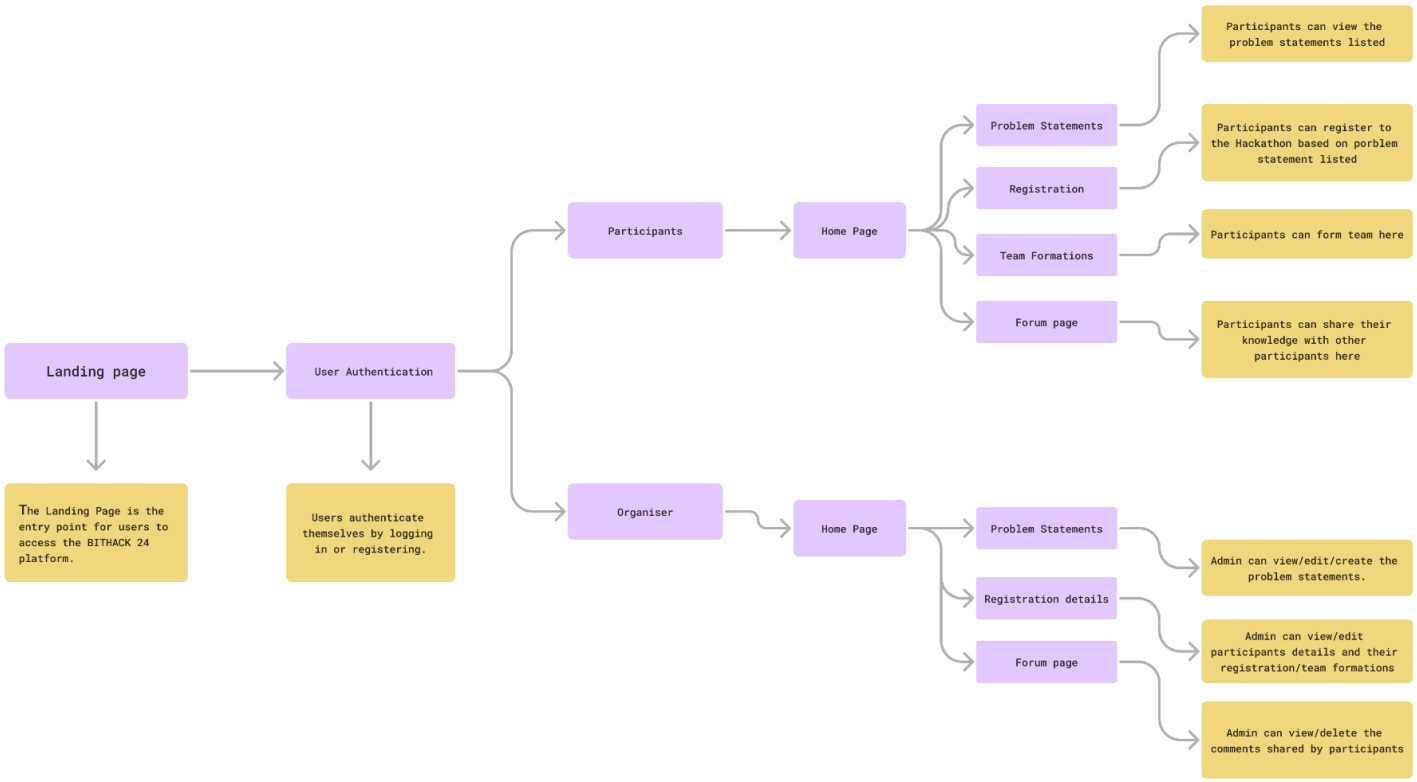
- **Login:**
    - A login page for organizers to access the platform.
- **Participant Management:**
    - A dedicated page displaying participant registration details.
    - Ability to filter or search through participant registrations.
- **Problem Statement Management:**
    - A page to create and edit hackathon problem statements.
    - Ability to categorize problem statements for easy browsing by participants.
- **Forum Moderation:**
    - Access to the forum to view participant discussions.
    - Ability to delete inappropriate or irrelevant comments from the forum (based on predefined moderation guidelines).

Additional Considerations:

- **Security:** Secure user authentication and data encryption to protect user privacy.
- **User Interface (UI):** A user-friendly and intuitive interface for both participants and organizers.

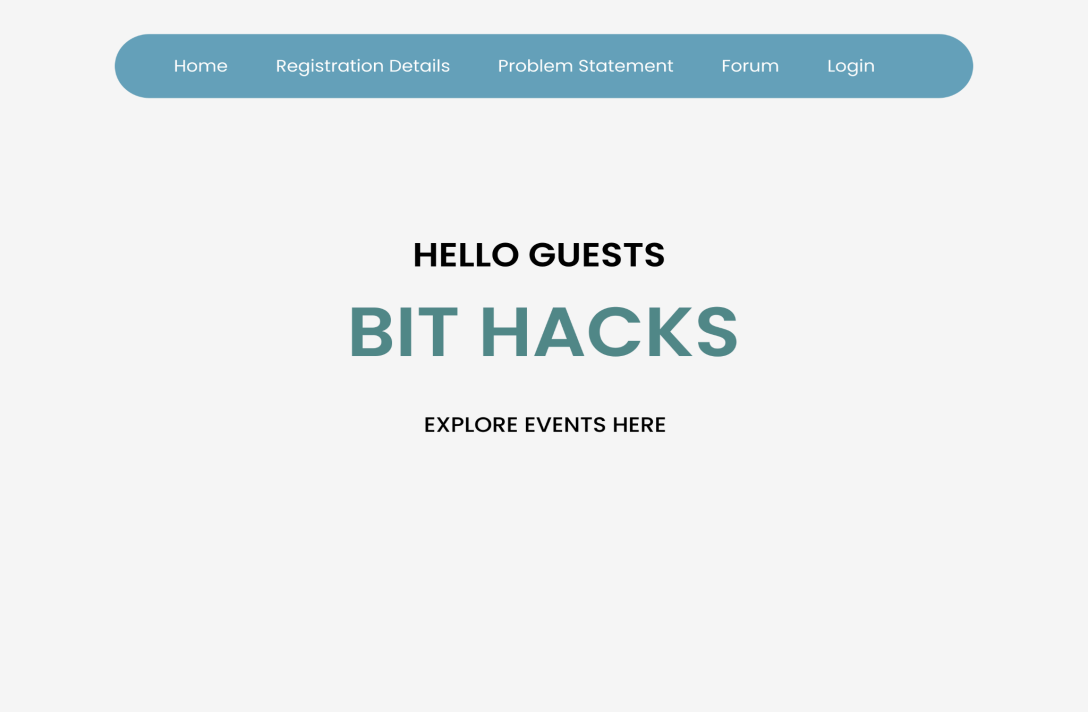
Further Analysis Needed:

- **User Roles and Permissions:** Define different user roles (e.g., admin, organizer, participant) with specific permissions within the platform.
- **Search Functionality:** Refine search functionalities for both event discovery and forum content.
- **Content Management System (CMS):** Explore implementing a CMS for organizers to manage hackathon details and content.

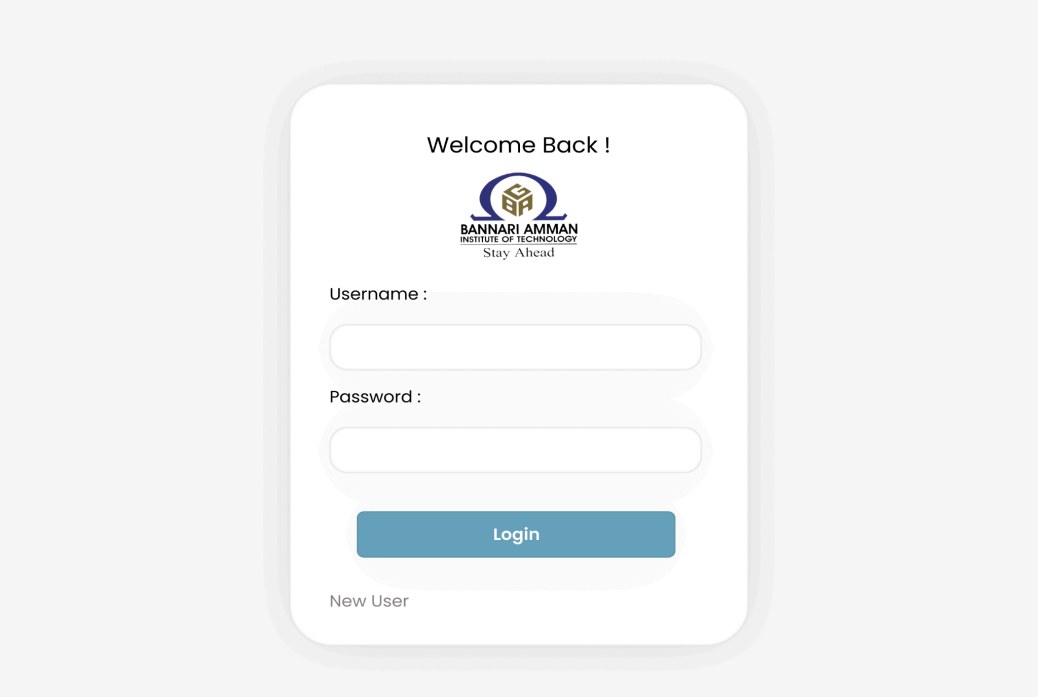

Landing page
The Landing Page is the entry point for users to access the BITHACK 24 platform.
User Authentication
Users authenticate themselves by logging in or registering.
Participants
Home Page
Problem Statements
Participants can view the problem statements listed
Registration
Participants can register to the Hackathon based on porblem statement listed
Team Formations
Participants can form team here
Forum page
Participants can share their knowledge with other participants here
Organiser
Home Page
Problem Statements
Admin can view/edit/create the problem statements.
Registration details
Admin can view/edit participants details and their registration/team formations
Forum page
Admin can view/delete the comments shared by participants

PROTOTYPE OF PROJECT :

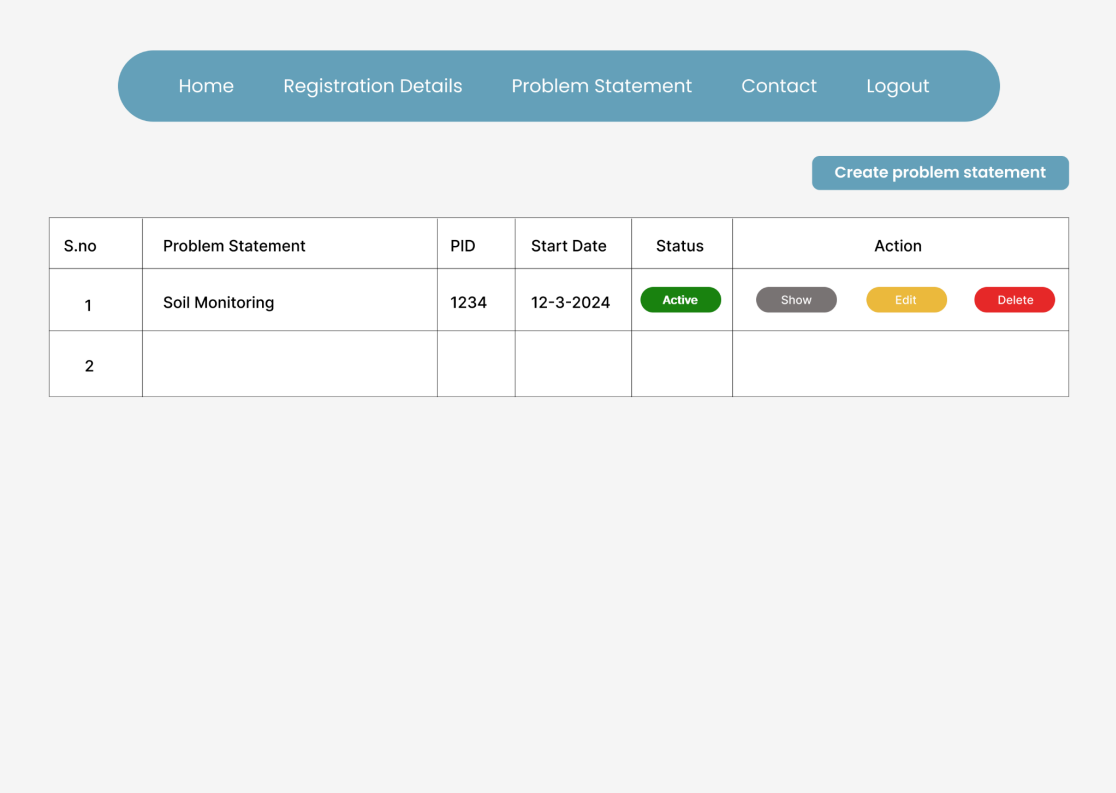
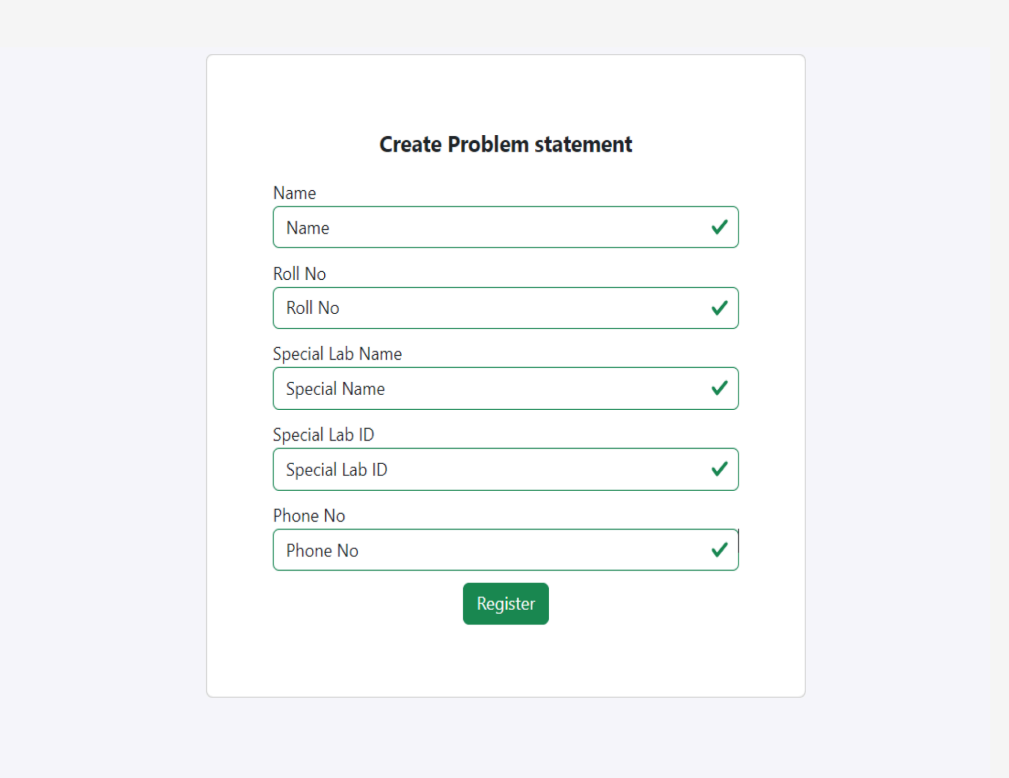
LANDING PAGE



LOGIN PAGE :



PROBLEM STATEMENT CREATION PAGE FOR ADMIN



CREATE PROBLEM STATEMENT