**Event Sphere**

**1. Idea**

* **Overview**: A web application that facilitates event discovery in local areas, with a focus on supporting university club events and promoting community engagement.

**Goals**:

* Centralize information on local events, making it easily accessible to users.
* Provide personalized features to improve event discovery and participation.
* Support university clubs in promoting their activities.

**2. Problem Statement**

* **Existing Challenges**:
  + Fragmented information about local events across multiple platforms and sources.
  + Lack of specialized support for university clubs to reach their target audience.
  + Difficulty in finding events that match users’ interests and schedules.
* **Impact**:
  + Limited participation in local and university events.
  + Reduced community engagement and social interaction.
  + Missed opportunities for users to discover unique experiences.

**3. User Personas**

* **Persona 1: Administrator**
* *Role*: Manages events on the platform
* *Responsibilities*:

1. Adding new events to the platforms
2. Deleting outdated or invalid events
3. Managing events data for university clubs and other organizers

* *Goals:* Ensure the platform provides accurate, up-to-date events information
* *Challenges:*

1. Efficiently managing many events
2. Ensure all events details are accurate and up to date

 **Persona 2: User/student**

* *Role:* Uses the platform to discover and participate in events
* *Responsibilities:*

1. Viewing events based on interests
2. Managing their profile and bookmarked events

* *Goals:*

1. Easily find events matching their interests, location, and schedule
2. Stay updated with university club activities and other events

* *Challenges:*

1. Navigating event listings and filters to find relevant events
2. Ensuring the profile is accurate and reflects preferences

**3.User Stories**

1. ***User registration:*** As a user (student) wants to input details (e.g., username, email, password) to create account to access platform features

* *Acceptance criteria:* A registration form collect username, email, password on successful registration, the user is redirected to login page.

1. ***User login:*** As a user wants to log in using username and password to access account and relevant features

* *Acceptance criteria:* login formincludes fields for username and password
  + 1. Display error for incorrect credentials
    2. Successful logins redirect the user to the dashboard

***3-User logout:*** As a user wants to logout of account

* *Acceptance criteria:* logout button logs the user outs and redirect them to login page

***4- Profile management:***

* ***View profile:*** As a user wants to view profile details to verify information
* ***Edit profile:*** As a user wants to update profile details to make information up to date
* ***Acceptance criteria:***

1- Profile page show user details

2- Edit button allow fields to be modified

**4. Events stories**

**1- *Add events (Admin only):*** As an admin wants to add events by entering event details (name, location, date, time, category, price) to appear on the platform

* ***Acceptance criteria:*** Database tablesto enter the details

***2- View events (User):*** As a user wants to view events view a list of events with their details to decide which one to attend

* ***Acceptance criteria:*** 
  + 1. Display events in a list with basic details
    2. Filter options allow users to refine the list by category , location , date

**4. High-Level Functional Requirements**

* **Event Aggregation**:
* Integrate data from multiple sources to provide a centralized event repository.
* **Event Search and Filtering**:
  + Search events by category, location, date, and keywords.
  + Filter based on preferences, such as event type, cost, or accessibility.
* **University Club Support**:
  + Enable clubs to create and promote events on the platform.
  + Include dedicated sections for club-specific activities.
* **User Features**:
  + User registration and profile creation.
  + Bookmarking and favouriting events.
  + Personalized notifications and reminders.
  + Event reviews and ratings.
  + Integrated ticketing and RSVP functionality.

**5. Non-Functional Requirements**

* **Performance**:
* Make sure you provide quick search and filtering options for a smooth user experience.
* Support concurrent usage by a high number of users.
* **Scalability**:
  + Design the system to handle increasing event data and user growth.
* **Usability**:
* Provide a clean, user-friendly interface optimized for both web and mobile devices.
* **Security**:
  + Protect user data and ensure secure payment processing for ticketing.
* **Reliability**:

o Use a strong backend infrastructure to guarantee high availability and little downtime.

* **Accessibility**:
  + Adhere to accessibility standards to accommodate users with disabilities.