**Event Management System: Backlog and Sprint Plan**

The **Event Management System** is designed to facilitate event discovery, ticket reservations, user engagement, and personalized features, creating a seamless experience for users. This document outlines the project's backlog, sprint breakdown, and future goals.

**1. Product Backlog**

The Product Backlog organizes all the planned features and functionalities required for the system.

**Epic 1: User Management**

* **Feature: User Registration and Login**
  + Users can register, log in, and manage their accounts securely.
  + **Priority**: High
* **Feature: Profile Management**
  + Enable users to update their profiles and preferences.
  + **Priority**: Medium

**Epic 2: Event Management**

* **Feature: Display Events**
  + Show a list of upcoming and trending events, with filters for categories, locations, and dates.
  + **Priority**: High
* **Feature: Search for Events**
  + A search bar to allow users to find specific events by name, category, or date.
  + **Priority**: High
* **Feature: University Clubs Section**
  + Create a dedicated section showcasing events organized by university clubs.
  + **Priority**: Medium

**Epic 3: User Interaction**

* **Feature: Bookmarks**
  + Allow users to bookmark events for quick access.
  + **Priority**: Medium
* **Feature: Reviews**
  + Allow users to review and rate events they attend.
  + **Priority**: Medium
* **Feature: Notifications**
  + Notify users about event updates, ticket availability, and other time-sensitive information.
  + **Priority**: Medium

**Epic 4: Ticket Management**

* **Feature: Ticket Reservation**
  + Provide a secure ticket reservation system with real-time availability.
  + **Priority**: High
* **Feature: Seating Plans**
  + Display seating arrangements for events, allowing users to select their preferred seats.
  + **Priority**: Medium

**Epic 5: Navigation and Personalization**

* **Feature: Navigation Bar**
  + Introduce a dynamic navigation bar for quick access to core services (events, tickets, bookmarks, etc.).
  + **Priority**: High
* **Feature: Personalized Recommendations**
  + Suggest events based on user preferences and past interactions.
  + **Priority**: Medium
* **Feature: Mobile Optimization**
  + Ensure the platform is fully responsive and optimized for mobile devices.
  + **Priority**: High

**2. Sprint Breakdown**

**Sprint 1: Core Functionalities**

**Goal**: Develop the foundation of the system by implementing essential functionalities.

**Sprint Backlog**:

1. **User Management**
   * Implement user registration, login, and logout features.
   * Create a database schema for user information.
2. **Event Management**
   * Develop a backend structure for event data.
   * Display events with filtering options for categories and locations.

**Duration**: 2 Weeks

**Sprint 2: Advanced Features**

**Goal**: Expand functionalities to include ticket reservations, notifications, and user engagement tools.

**Sprint Backlog**:

1. **Ticket Reservation**
   * Create an API for reserving tickets and managing availability.
   * Integrate a seating plan for ticket selection.
2. **Notifications**
   * Build the notification system to alert users about updates.
3. **User Engagement**
   * Develop the review and bookmarking systems.

**Duration**: 3 Weeks

**Sprint 3: Personalization and Optimization**

**Goal**: Focus on improving user experience and system performance.

**Sprint Backlog**:

1. **Navigation and Accessibility**
   * Implement a responsive navigation bar for quick access to all services.
   * Ensure cross-platform compatibility and responsiveness.
2. **Recommendations**
   * Build a recommendation engine to suggest events to users based on their preferences and history.
3. **Mobile Optimization**
   * Optimize the UI for mobile and tablet users.

**Duration**: 4 Weeks

**3. Future Goals**

**Planned Features for Expansion**

* **Event Pages**:
  + Create dedicated pages for each event, including detailed descriptions, schedules, and location maps.
* **Review Events Section**:
  + Introduce a public review system for users to leave ratings and feedback on attended events.
* **Search Enhancements**:
  + Improve the search feature by integrating advanced filtering (e.g., by ticket price, date, and popularity).
* **Navigation Enhancements**:
  + Expand the navigation bar to include all major services, such as user profiles, tickets, bookmarks, and event categories.

**Additional Features**

* **University Clubs Section**:
  + Provide a platform for university clubs to showcase their activities and organize events.
* **Social Media Integration**:
  + Allow users to share events and reviews directly on social media platforms.
* **Community Forums**:
  + Add a discussion board for users to share thoughts, plan group attendance, and discuss events.
* **Organizer Dashboard**:
  + Introduce a dashboard for event organizers to manage events, tickets, and attendees.
* **Real-Time Updates**:
  + Provide live updates on event availability and last-minute changes.

**Future Innovations**

* **AI-Powered Features**:
  + Use AI to analyze user data and suggest highly personalized events.
* **Gamification**:
  + Reward users for participation and event attendance with badges or loyalty points.
* **Event Recommendations Based on Trends**:
  + Use machine learning to highlight trending events within the community.