

Brainstorming Notes (AI Assisted)

Objective

To design and implement a Campus Event Management Platform with Admin Portal and Student App.

Key Features Discussed with AI

1. Admin Portal: Create events (Hackathon, Workshops, Fests). 2. Student App: Browse, Register, Attend, and Give Feedback. 3. Reports: Event Popularity, Student Participation, Top 3 Active Students. 4. Database: Suggested using SQLite for prototype simplicity. 5. API Endpoints: For events, registration, attendance, feedback, and reports.

AI Suggestions

- Use ER diagram with entities: College, Event, Student, Registration, Attendance, Feedback.
- Keep event IDs unique within a college.
- Suggested lightweight backend using Flask/FastAPI.
- Reports to include event popularity, participation count, and feedback scores.
- Bonus: Simple UI mockups for event browsing.

My Decisions

- I agreed on using SQLite for prototype.
- Followed AI's ER diagram design with 5 core tables.
- Chose Flask as backend framework for API simplicity.
- Will generate CSV outputs for reports.
- Mockups will be included as static images.

Deviations from AI

- AI suggested OAuth login; I simplified it to Student ID login.
- AI recommended advanced UI prototype; I will keep only mockups.
- AI suggested multi-database support, but I will stick to one (SQLite).