

README

Campus Event Management System

A simple Spring Boot prototype to manage students, events, registrations, attendance, and feedback.

My Understanding of the problem

The solution or the goal of the given scenario was to create a small system where students could register for events in college campus, their attendance could be tracked and they could provide the feedback. This would solve the attendance shortage problem in the college for both students and teachers. Additionally, the system is also supposed to generate reports like total registrations per event, attendance percentage, average feedback, event popularity and student participation, showcasing the success of the events and its credibility.

Tech Stack I used

Backend: Java Spring Boot 3.5.3

Database: H2 (in-memory, but easily switchable to MySQL/Postgres)

Tools: IntelliJ IDEA Community Edition, Postman

Setup and Run Steps

1. Clone the repository (or unzip project folder).
2. Open in IntelliJ IDEA.
3. Build the project
4. Run the Spring Boot app
5. Verify the server is running on <http://localhost:8080>

How to Test

- Use **Postman** to test endpoints.
- Example workflow:
 1. Add a College → POST /api/colleges
 2. Add a Student → POST /api/students
 3. Create an Event → POST /api/events
 4. Register Student → POST /api/registrations
 5. Mark Attendance → PUT /api/registrations/{id}/attendance?attended=true
 6. Provide Feedback → POST /api/feedback
 7. Generate Reports → GET /api/reports/* (all five reports available)

How I Used AI

I used ChatGPT to brainstorm the database schema and sample code snippets.

Author & Contact Info

Name: K M Bhagyashree

Email: bhagyashree8016@gmail.com

GitHub: <https://github.com/Bhagyashree1613/Webknot-Assignment1>