

# EventHub – Project Plan

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## 1. Introduction

EventHub is a secure, user-friendly event management web application designed for students, clubs, and organizations within a university environment. The application enables users to create, edit, update, and delete events while maintaining a clean, professional interface powered by Node.js, Express, EJS, Bootstrap, and MongoDB.

The primary goal of EventHub is to help students keep track of academic and social activities such as club meetings, assignment deadlines, workshops, study sessions, and campus events. This tool offers a simple event-tracking experience without the complexity of commercial event management platforms.

This project demonstrates the application of secure CRUD principles, database modeling, form validation, EJS templating, and deployment through modern web hosting services.

## 2. Purpose of the Application

University students often struggle to manage academic, personal, and extracurricular events using multiple unorganized tools. EventHub centralizes event organization into a single, easy-to-use directory.

EventHub aims to:

- Provide a simple but professional event management system
- Demonstrate secure CRUD operations
- Use MongoDB and Mongoose to store structured event data
- Apply EJS templates with shared layouts for efficiency
- Showcase responsive design via Bootstrap and custom CSS
- Deliver a ready-to-deploy full-stack web application