

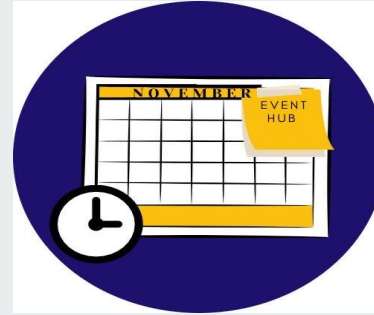


EventHub

"Revolutionizing Event Planning and Discovery"

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Date: December 2, 2024





Description of the Project

What does EventHub do?

EventHub is a web application designed to simplify event planning and discovery. Users can create, manage, and promote events, while attendees can easily search for and participate in events that match their interests.

Who is it for?

EventHub is built for event organizers, local businesses, community leaders, and attendees seeking a streamlined platform to connect.

What problem does it solve?

It removes the hassle of managing events across multiple platforms and helps attendees discover events effortlessly, providing a unified, user-friendly solution.



Learning Objectives

What am I applying?

- Seamless frontend and backend integration.
- Designing a relational database to store event details.
- Implementing user authentication and role-based access control.

What am I learning?

- Developing a fully responsive interface with React.
- API development and integration with Java..
- Deploying a production-ready application on the cloud.

Why is this valuable?

This project challenges me to consolidate everything I've learned during the program and develop a complete, market-ready application.

Technologies Used

Programming Languages:

- **JavaScript** for frontend logic and dynamic interactivity.
- **Java** for robust and scalable backend logic using Spring Boot.
- **SQL** for managing the relational database.

Frameworks and Libraries:

- **React** for building an interactive and responsive user interface.
- **Spring Boot** for API development and backend operations.

Tools:

- **Git** for version control and collaboration.
- **Docker** for containerized development and deployment.
- **Postman** for testing and debugging APIs.



React JS



Java
REST API



spring
boot





Third-party Services

APIs Used:

- Google Maps API to provide interactive location selection and mapping for events.

Hosting Services:

- Firebase to handle user authentication securely.
- Netlify to host the frontend for quick and efficient deployment.



Challenges Identified

Time Constraints:

With less than two weeks to complete the project, prioritizing features and maintaining focus is critical.

Complex Features:

- Implementing advanced search and filtering capabilities.
- Accurate integration of the Google Maps API for geolocation.

Overcoming Challenges:

- Adopting an Agile approach to development using a task management system.
- Conducting thorough research and leveraging pre-existing knowledge of APIs and tools.



Schedule of Work

Week 1:

- Research user needs and design wireframes.
- Set up the project environment and database schema.
- Develop core backend APIs for event management.

Week 2:

- Build and refine the frontend user interface.
- Integrate Google Maps API for location selection.
- Perform comprehensive testing, fix bugs, and deploy the application.

Tool:

I am using Trello to organize tasks, milestones, and deliverables.

Mockups!

Home Page:

A welcoming interface featuring a search bar, categories, and featured events.

Event Creation Form:

A simple, user-friendly form for organizers to enter event details like title, description, location, and date.

Event List View:

An organized view showing a list of events with key information, including date, location, and remaining slots for registration.

