Problem Theme : Design a Student Outreach & Application Tracking System
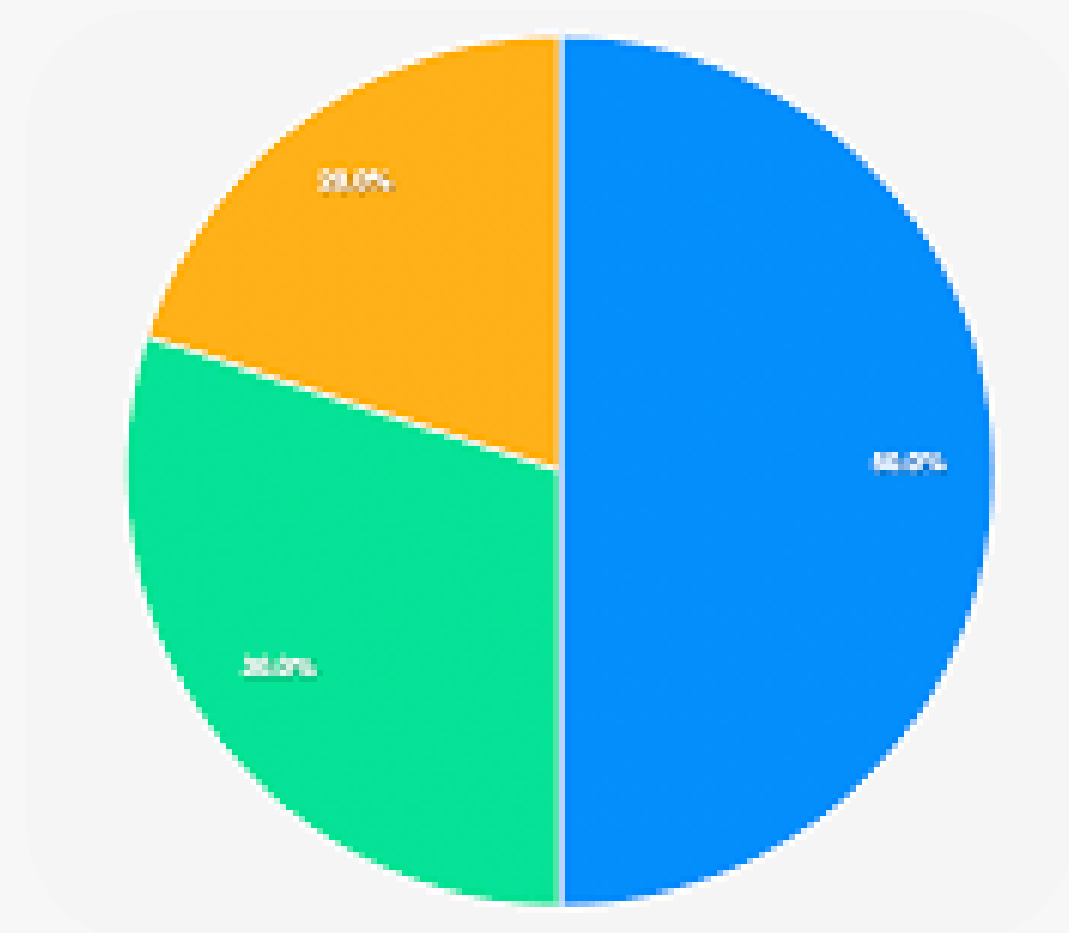
Team 5

Problem Statement brief:

Katalyst's current outreach and enrollment process relies on manual forms and generic event links, making it difficult to track event effectiveness, monitor a student's journey from interest to enrollment, and gain meaningful conversion insights. This leads to inefficient data management, inconsistent reporting, and limited visibility, ultimately reducing the impact of Katalyst's mission to empower young women in STEM.
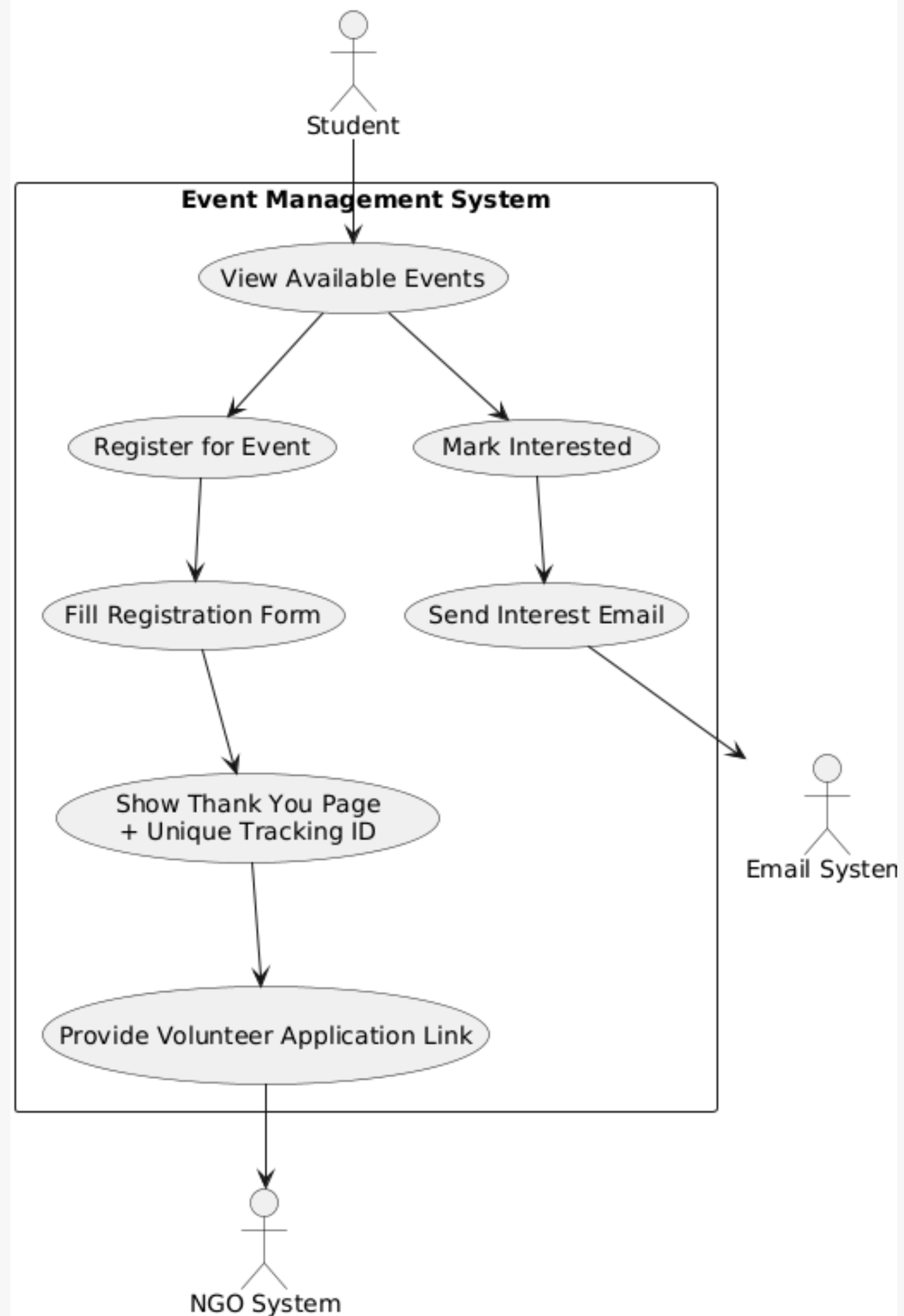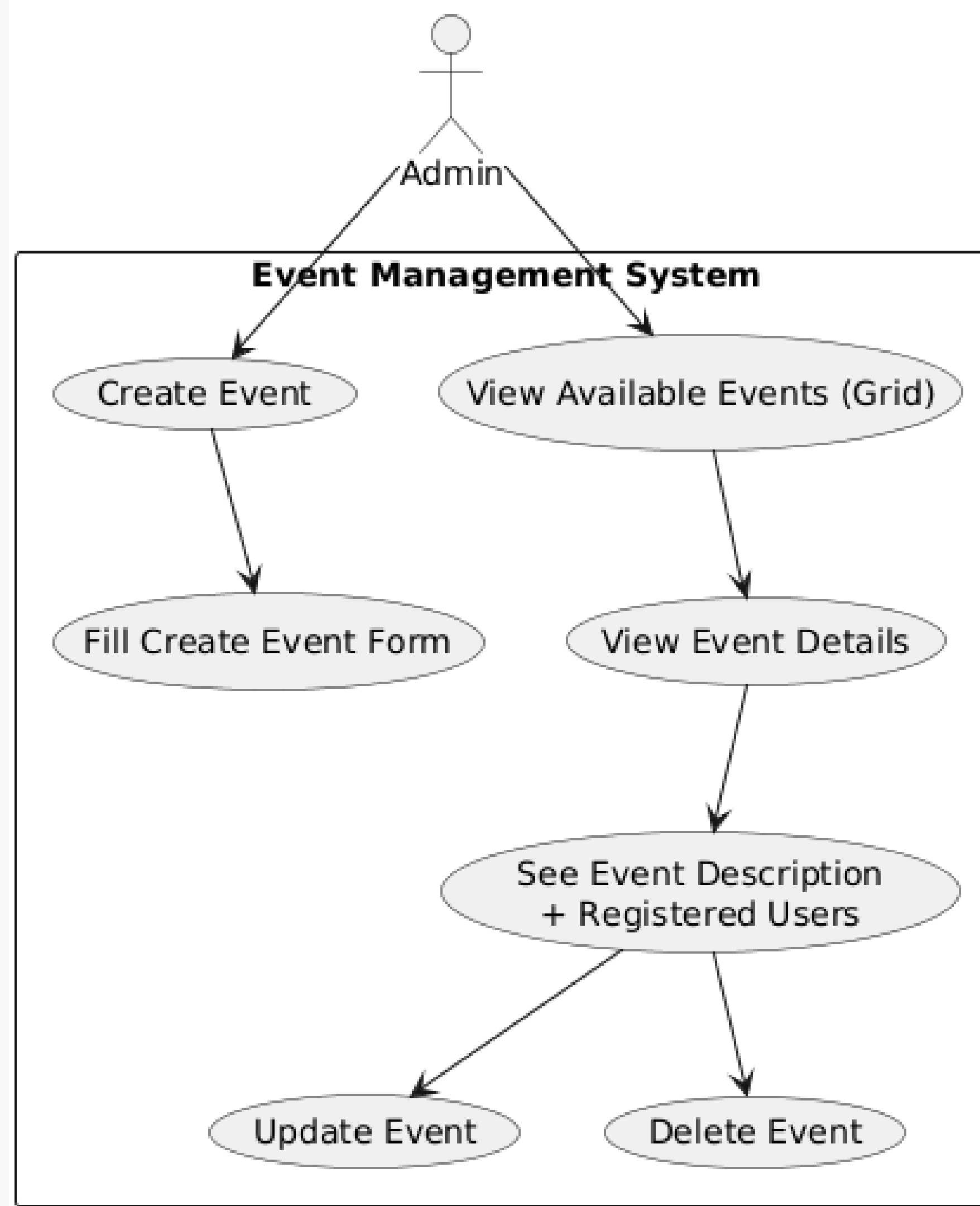
Solution Overview:

- At the end of each event, every student will receive a unique QR code.

- By scanning this QR, students can quickly mark their attendance, so only those who were actually present get counted.

- With real-time dashboards, Katalyst can instantly track leads, conversions, and overall event impact, making it easier to take informed decisions.

- Providing certificates to increase the encouragement for participation

Demo/Prototype

Admin

Event Management System

Create Event

View Available Events (Grid)

Fill Create Event Form

View Event Details

See Event Description + Registered Users

Update Event

Delete Event

Technology Stack

Guideline: You may need to provide supportive details around language/framework/tools etc.
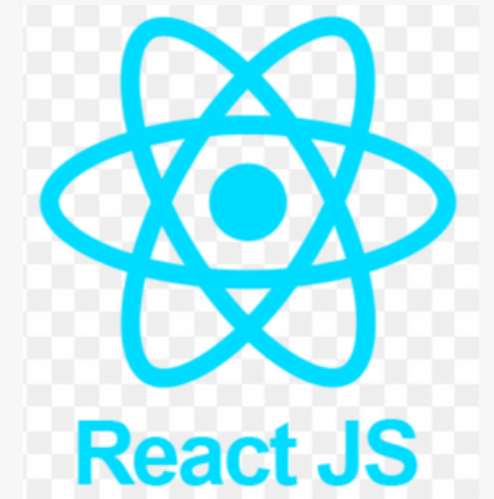- You need to provide the GitHub repository link

Frontend: React.js

Backend: Node.js + Express.js
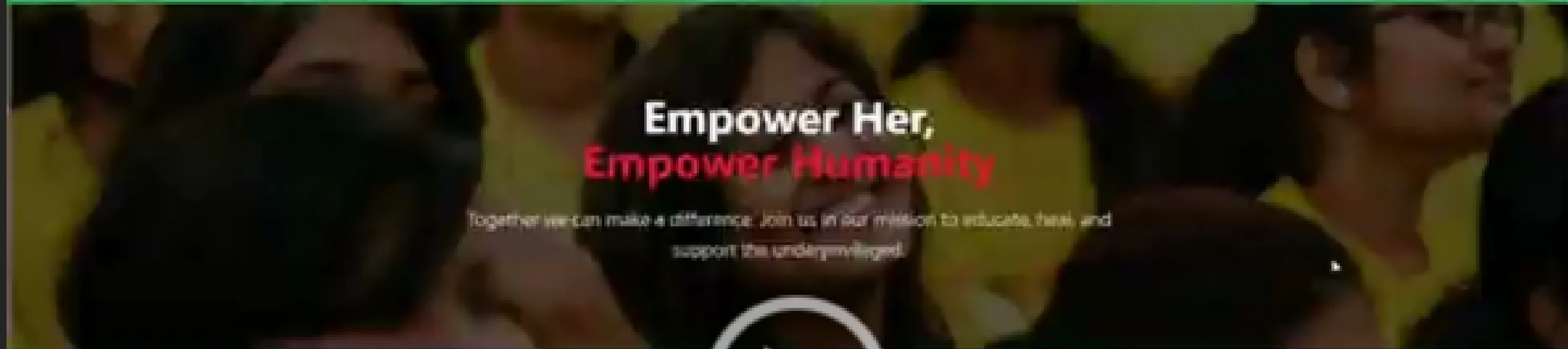
Database: MongoDB

Runtime environment: Node.js

August 25, 2025

Impact/Future scope

- Scalable & Inclusive – Can expand nationwide with offline sync for rural outreach
- Data-Driven Decisions – Real-time dashboards and analytics to track leads, events and conversions
- Seamless Integrations – Ready for Google Sheets, CRM, LMS and future payment/mentorship modules
- Trust & Security – Encrypted data, digital consent and audit logs build transparency
- Future Growth – Extendable to scholarships, mentorship and career placement tracking

August 20, 2024

Empower Her,
Empower Humanity

Together we can make a difference. Join us in our mission to educate, heal, and support the underprivileged.

About Us

📖

Education

Providing scholarships, school supplies, and digital literacy programs to underprivileged children.

❤️

Health

Organizing health camps, vaccination drives, and wellness programs for communities in need.

🤝

Community Support

Empowering women with vocational training, counseling, and skill development.

Upcoming Events

Q&A