

Project Summary

This project is a web-based event discovery and management platform that enables organisers to create, edit, and publish local events, and allows users to browse them through both list and interactive map views. The system addresses the lack of centralised event visibility in the Maynooth area by aggregating society, club, personal, and institutional events into one interface. Users can filter events by category, date, and location, view detailed event information, and mark events as of interest. Organisers are supported with event creation and editing tools, while moderators can approve submitted events to maintain quality and accuracy.

Project Goals

- Provide a unified platform for creating, managing, and displaying local events within Maynooth.
- Enable users to efficiently discover relevant events through filtering, map-based exploration, and detailed event pages.
- Support organisers with straightforward tools for event submission, editing, and categorisation.
- Ensure event accuracy and appropriateness through a basic moderation/approval workflow.
- Deliver a responsive and intuitive web interface accessible on desktop and mobile.
- Establish a maintainable technical foundation suitable for incremental feature expansion.

User Groups

1. Event Organisers

Individuals or groups (e.g., societies, clubs, local organisations) who submit and manage events. They require tools to create, edit, and categorise event listings.

2. General Users / Attendees

Students, residents, and visitors who browse, filter, and explore events. They primarily interact with the event list, map view, and event detail pages.

3. Moderators / Administrators

App-appointed reviewers responsible for approving or rejecting submitted events to maintain accuracy, prevent misuse, and ensure data quality.

4. Casual Browsers

Users with no specific intent, who explore the event map or full event list without applying filters. Their behaviour supports the discovery-focused element of the system.

Core Features

- **Event Creation:** Organisers can create new events with title, description, date, time, location, and category.
- **Event Editing:** Organisers can update or correct details of previously submitted events.
- **Event Moderation:** Administrators can review, approve, or reject submitted events before they appear publicly.
- **Event Browsing:** Users can view all events in a structured list interface.
- **Filtered Search:** Users can filter events by category, date range, or location.
- **Interactive Map View:** Users can explore events displayed on a map based on geographic location.
- **Event Detail View:** Users can open full event information including description, time, location, and organiser info.

- **Interest Marking / RSVP:** Users can mark events as “Interested” or save them for later reference.
- **Responsive Interface:** The platform adapts to desktop and mobile screens to support ease of use.

Out-of-Scope Features

[PLACEHOLDER]

High-Level Architecture Overview