

NT Local Event Finder requirements and user story

1. Functional Requirements:

1.1 User Management:

Regular user:

Register: A new user can register by submitting their username, email, password, and other required information on the registration page.

User Story: As a NT Local Event Finder user, I want to create an account, so I can manage my event collection, save favorites, and access additional features.

Login: Users can log in by using username/email and password.

Logout: Users can log out from their accounts.

User Story: As a user, I want to log in with my username/email and password, so that I can access my saved events and personal dashboard.

Search event:

Users can search events by keyword. Users can filter events by category, date, and region. Search results display in list format.

User Story: As a user, I want to search for events by keyword and filter by category, date, and region, so that I can quickly find events matching my interests.

Hold a event (regular user submission + admin approval):

Users can submit event request by entering the event title, description, start/end time, address, category, tags, and image. Submitted events are not immediately visible; they must be reviewed and approved by an administrator. Once approved by the admin, the event becomes visible in the public event list.

User Story: As a user, I want to submit a request to host an event by entering all required details, so that the event can be reviewed by an administrator and published on the website after approval

Bookmark and Share:

Users can bookmark events in the account if logged in.

Users can share event links on social media (Facebook, Twitter, Instagram. etc.).

User Story: As a user, I want to bookmark my favorite events and share event links on social media, so that I can find them later and invite friends.

Register for an event

Users can fill out a registration form on the event details page (name, email, phone optional), and a success confirmation page displays.

User Story: As a user, I want to register for an event by submitting my details, so that organizers can contact me and I can confirm my participation.

Administrator:

In addition to the regular user functionalities, administrators also have the following features:

Manage Regular User Accounts:

Admins can view user list, upgrade user levels, or suspend accounts.

User Story: As an admin, I want to manage regular user accounts (upgrade or suspend), so that I can control access and maintain security.

Manage events: Admins can create, edit, approve, recommend and delete events.

User Story: As an admin, I want to create, update, approve, recommend or delete events, so that the event listings remain accurate and up-to-date.

View the list of registered users for each event

Admins can view registered users for each event and export the list.

User Story: As an admin, I want to view and export the registration list for each event, so that I can track participants and analyze interest.

1.2 Event management:

Event list: The event list is displayed by date or other order. Each event card shows the title, time, venue, category, and thumbnail image.

User Story: As a user, I want to see a list of events with basic info, so that I can quickly identify events I want to attend.

Event details page:

The event title, description, start/end time, venue, suburb, and image are displayed.

An “Open in Maps” button linking to Google Maps is provided.

A registration form is provided.

User Story: As a user, I want to view full event details including time, address, image, map link, and register for the event, so that I can get all information needed and register events.

Event sorting feature

Events can be sorted by date, category, or recommended/popularity.

User Story: As a user, I want to sort events by date, category, or popularity, so that I can easily find events that fit my schedule and interests.

2. Non-Functional Requirements

Performance

Event search results must display within 2 seconds.

Event list and event details pages must load within 2–3 seconds.

User Story: As a user, I want event lists and search results to load quickly, so that I can browse events without delays.

Usability

Users can easily find key functions such as search, browse events, and register for events. Registration, login, and event registration forms are simple to fill, with clear field labels and feedback messages. When a user makes an error (e.g., invalid email, missing required fields), the system displays clear instructions on how to correct it.

User Story: As a user, I want the website to have an intuitive interface, simple operations, and clear error messages, so that I can quickly browse, register, and manage events without confusion.

Device Compatibility

The application should be responsive across mobile, tablet, and desktop screens.

Key information (title, date, venue) should be clearly visible on smaller screens.

User Story: As a user, I want to access the website on any device, so that I can browse and register for events anywhere.

Security

User passwords must be stored encrypted using a secure algorithm (e.g., SHA-256 or bcrypt).

Admin dashboard access must require authentication (JWT token or session-based).

User Story: As a user, I want my account information and personal data to be secure, so that I can trust the platform with my details.

As an admin, I want only authorized users to access the dashboard, so that the system is secure from malicious activity.