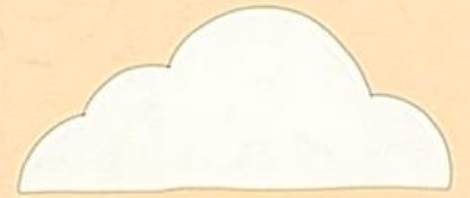# NT Local Event Finder

Group B iteration 2

Functional Requirement

- **Regular user:**
- Sign up
- Login
- Logout
- Search event
- Post a event
- Bookmark and Share:
- Register for an event

- :

- **Administrator:**
- Manage Regular User: view user list, upgrade user levels, or suspend accounts
- Manage events: create, edit, approve, recommend and delete events.
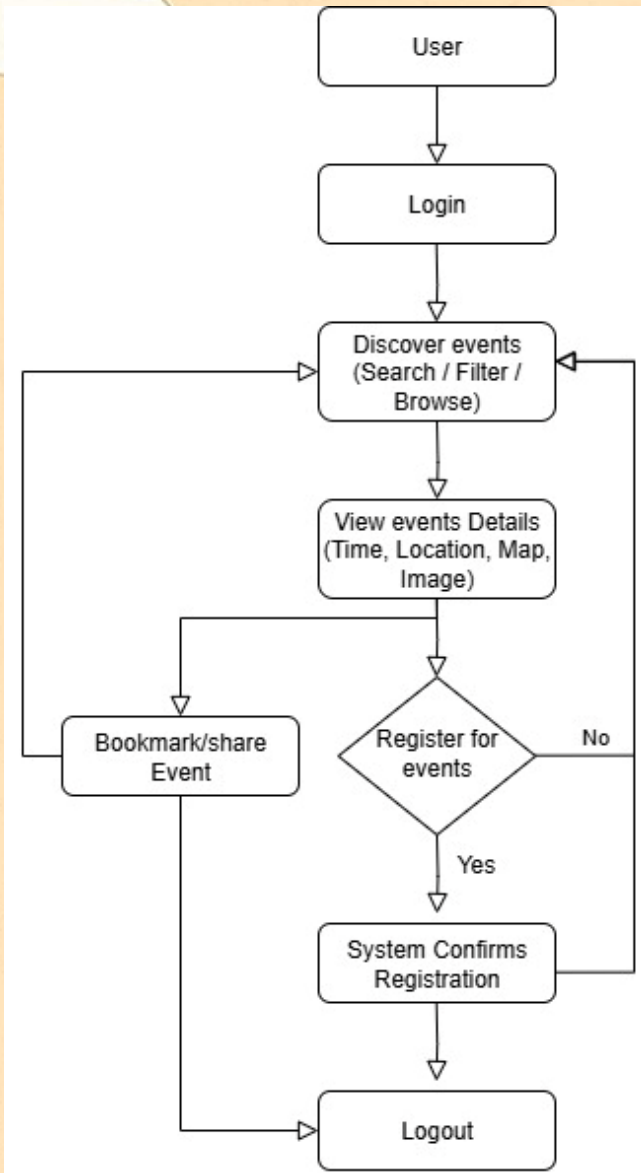- View the list of registered users for each event
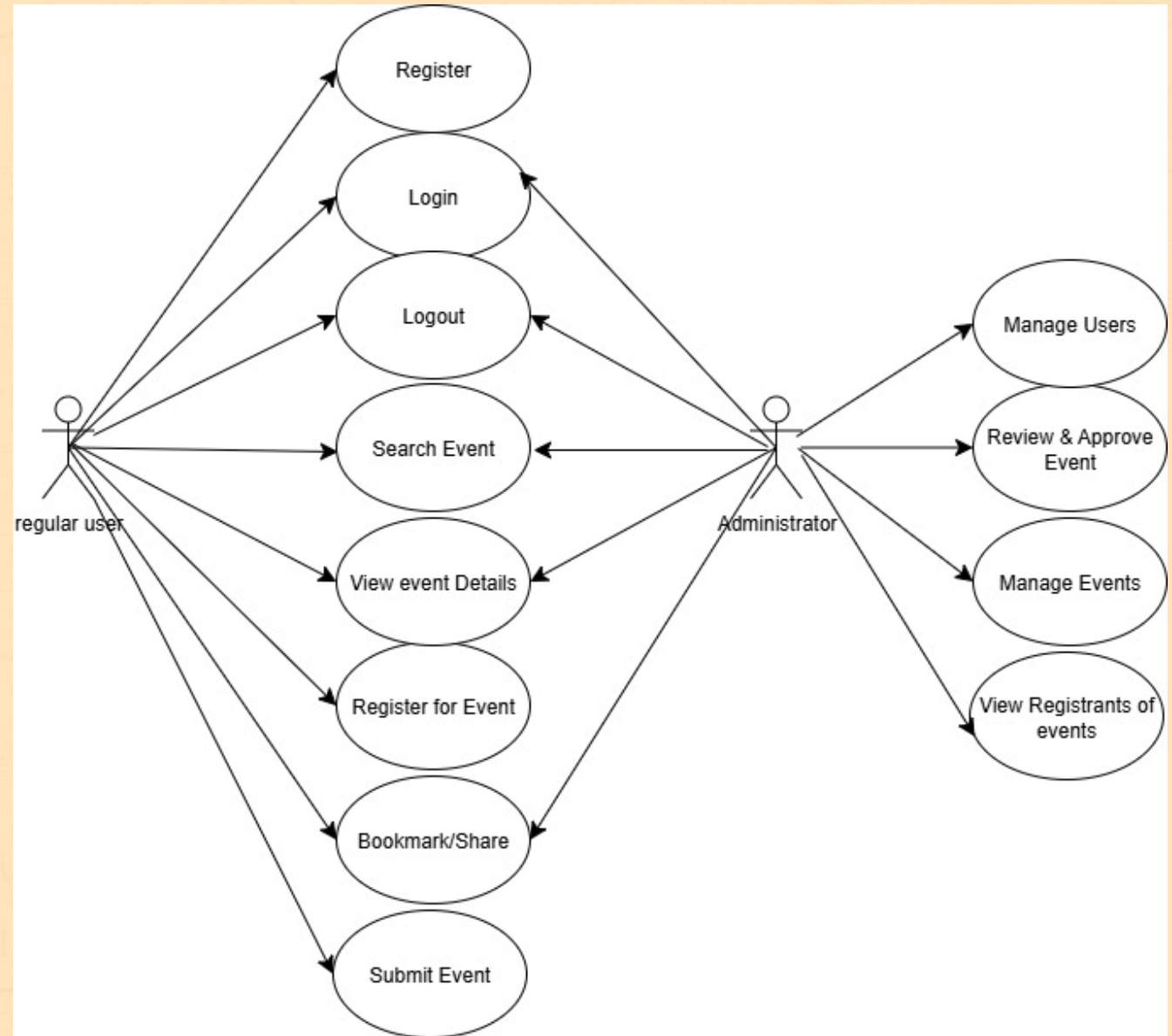
- :

Non-Functional Requirement

- **Performance**
- Event search results must display within 2 seconds.
- Event list and event details pages must load within 2–3 seconds.
- **Usability**
- Users can easily find key functions such as search, browse events, and register for events.
- **Device Compatibility**
- The application should be responsive across mobile, tablet, and desktop screens.
- **Security**
- User passwords should be stored encrypted using a secure algorithm (e.g., SHA-256 or bcrypt).

Business Process Flow Diagram

Use case diagram

Mockup of Homepage

NT Local Event Finder

- About
- Our Events
- Event Calendar
- Funding & Resources
- Work With Us
- News
- Sign Up

NT Event Calendar

Discover local events across the Northern Territory. Filter by region and find what's happening near you!

Filter Events by Region

| All Regions | Uluru/Kata Tjuta Region | Kakadu | Alice Springs & Surrounds | Darwin & Surrounds |

| Tennant Creek & Barkly Region | Arnhem Land | Katherine & Surrounds |

Darwin Festival
Darwin & Surrounds
Aug 15

View Details

Alice Springs Desert Race
Alice Springs & Surrounds
Sep 2

View Details

Kakadu Bird Week
Kakadu
Oct 10

View Details

BABOK Analysis

- Business Analysis Planning and Monitoring:
- Scope: Provide a platform for users to discover, register, and share local NT events.
- Stakeholders: Local residents, event organizers, NT government, tourists.
- Analysis Techniques: Stakeholder interviews, surveys, user stories, use case modeling.

BABOK Analysis

- **Elicitation and Collaboration:**

- Workshops with event organizers to understand posting needs.

- Surveys for residents on event search preferences.

- Collaboration with NT government on accessibility and safety requirements.

BABOK Analysis

- **Requirements Life Cycle Management**
- Maintain requirement traceability matrix (RTM).

- Update requirements when event categories or government policies change.

- Validate implemented features against original requirements.

BABOK Analysis

- **Strategy Analysis**
- Current State: Events are promoted via scattered social media and posters.

- Future State: Centralized digital platform for NT events.

- Solution Approach: Web-based event finder with filtering, maps, and registration.
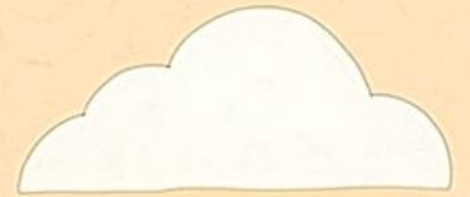
Business processes

- Level 1 (Strategic Level): Increase participation rate and culture value in community events in Darwin and Northern Territory,

- Level 2 (Tactical Level): administrators review and add new activities; the users searches activities;

- Level 3 (Operational Level): Users search for activities:

- Enter keywords in the search bar.

- Apply filters (e.g., select a date range using the calendar picker).

- View search results in card format.

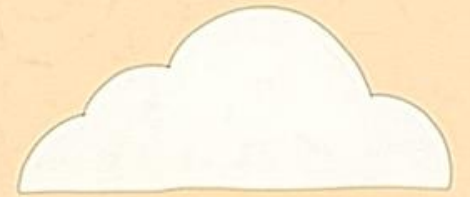- Click a card to open the detailed information page, including map links.

User Stories: User

- **Public Event Discovery**
- As a user, I want to browse a list of events or list view so that I can quickly scan upcoming local Darwin NT activities.
- As a user, I want to search events by keyword so that I can find specific interests like "beach markets."
- As a user, I want to filter events by category, range, and suburb so that I can determine options.
- Interest Registration
- As a user, I want to submit an "Interest" form for an event so that organizers can contact me. The website can recommend activities that match my interests.
- As a public user, I want to see a success screen after registration so that I know my submission was received. Displays "Thanks! We'll be in touch" with event recap and option to register for another event.

Stories: Admin

- **Admin Dashboard**
- As an admin, I want to log in with email or password so that I can access the protected dashboard.
- As an admin, I want to search new events from Darwin or NT coming activities news.
- As an admin, I want to add, update or delete an existing event so that I can keep listings accurate.
- As an admin, I want to view registrations for an event so that I can track interest.