

Software Requirements Specification (SRS) For Multicultural NT Events Platform

1. Business Requirements (BR)

- BR1: Provide a centralized platform for accurate, up-to-date multicultural event information in NT.
- BR2: Increase visibility of community and cultural events to locals, tourists, and students.
- BR3: Enable event organizers to submit and manage their events easily.
- BR4: Ensure community trust by reviewing and verifying events before publishing.
- BR5: Deliver analytics on event engagement, cultural diversity, and organizer participation to NT stakeholders.

2. Functional Requirements (FR)

2.1 Organizer Functions

- FR1: The system shall allow organizers to register and verify their identity.
- FR2: The system shall allow organizers to create, edit, and submit events.
- FR3: The system shall validate event details (date range, duplicates, required fields).
- FR4: The system shall notify organizers of approval/rejection via email.

2.2 Attendee Functions

- FR5: The system shall allow attendees to **browse, search, and filter events by date, category, language, and region.**

- FR6: The system shall display event details including description, location map, time (converted to attendee's timezone).
- FR7: The system shall allow attendees to export events to their personal calendars (Google, Outlook, iCal).
- FR8: The system shall allow attendees to share events via social media or email.
- FR9: The system shall allow attendees to report incorrect or inappropriate events.

2.3 Admin Functions

- FR10: The system shall provide an admin dashboard for reviewing event submissions.
- FR11: The system shall allow admins to approve, reject, or flag events.
- FR12: The system shall allow admins to verify organizer profiles.
- FR13: The system shall log all admin actions for auditing.

3. Non-Functional Requirements (NFR)

- NFR1 – Performance: Event search results must load in < 300ms for cached queries, < 800ms for uncached.
- NFR2 – Availability: The platform must be available 99.5% of the time during business hours.
- NFR3 – Security: All user data must be stored securely (encrypted at rest and in transit). Role-based access must prevent unauthorized actions.
- NFR4 – Scalability: The system must support at least 10,000 monthly users and 5,000 events.
- NFR5 – Usability: The platform must follow WCAG 2.1 AA accessibility standards (keyboard navigation, screen reader friendly).
- NFR6 – Mobile-Friendly: The platform must be responsive and optimized for mobile users.
- NFR7 – Maintainability: Code must follow modular design with proper documentation for easy updates.

- NFR8 – Localization: The platform must support multiple languages (English + Indigenous languages in later phases).
- NFR9 – Privacy & Compliance: Must comply with Australian privacy laws; minimal PII collection (organizer contact only).
- NFR10 – Backup & Recovery: Daily backups must be taken; system must allow restoration in case of failure.