

# Dynamic Multi-Event Countdown with Alerts

## Problem Statement

Design and implement a **Dynamic Event Countdown Web App** where users can add **multiple upcoming events**, each with a title, description, date, and time. The app should continuously show countdowns to each event, allow the user to manage them, and simulate sending an email reminder one day before the event.

---

## Functional Requirements

### 1. Event Creation Form

Create a form with the following fields:

- **Event Title** (text) – required.
- **Event Description** (textarea) – optional
- **Event Date and Time** (datetime-local input) – required, must be a future datetime.
- **Email for Reminder** (email input) – optional, only if user wants reminder.
- **Event Category/Type** (dropdown) – e.g., Birthday, Meeting, Holiday, Custom

On submitting the form:

- Validate all required fields.
  - Ensure the date/time is in the future.
  - Add the event to a visible **countdown list**.
- 

### 2. Live Countdown Display

For every created event:

- Display:
  - Event Title
  - Description
  - Category Icon or Colour
  - Countdown Timer (format: DD Days HH:MM:SS)
  - Email Reminder
- Update each countdown **every second**.

- On timer reaching zero, show:
    - "🎉 [Event Title] is happening now!"
- 

### 3. Event Management

Each event card should include:

- **Delete** button – Remove event from list. Before removing a confirm popup should come.
  - **Edit** button (bonus) – Allow editing details.
- 

### 4. Simulate Email Reminder (Bonus)

For events with email entered:

- Simulate an email reminder **1 day before the event** by:
  - Logging to console: "Reminder: '[Event Title]' is happening tomorrow.  
Email sent to: [email]".
  - Optionally show a toast/alert.

You may simulate time fast-forwarding for demo purposes.

---

### 5. Persistent Storage

- Use `localStorage` to store event data so the countdowns remain after page reload.
-