**Project: Event Management System**

**Objective:**

Develop a web application for managing events, submissions, and user roles including admins, moderators, and authors.

**Features:**

1. **User Roles:**
   * Admin: Responsible for managing events, moderators, news, and submissions.
   * Moderator: Assigned by the admin to sections within events for reviewing submissions.
   * Author: Users who submit works to events.
2. **Authentication:**
   * Users can sign up and sign in with email and password.
   * Moderators and authors need to verify their email addresses to access their accounts.
   * Admins have predefined accounts provided during database seeding.
3. **Event Management:**
   * Admins can create, edit, and manage events.
   * Each event can have multiple sections, and each section is assigned a moderator by the admin.
   * Events can have statuses such as draft, upcoming, ongoing, and finished.
   * Draft events are not visible to the public.
4. **Submission System:**
   * Authors can submit works to events during the ongoing phase.
   * Submissions include a work name, file upload, author details, co-authors, and related event and section.
   * Moderators can review submissions assigned to their sections, grade them, and change their status (pending, accepted, rejected).
   * Authors can view the status of their submissions.
5. **News Management:**
   * Admins can create and manage news articles relevant to the platform.

**Tech Stack:**

* Frontend: React, tailwind, TypeScript
* Backend: Node.js (Express.js), MongoDB
* Authentication: JSON Web Tokens (JWT)
* Database: MongoDB (Mongoose for object modeling)

**Models:**

1. **User:**
   * Fields: email, password, role, firstName, lastName, middleName, dateOfBirth, phoneNumber, verifiedByEmail
2. **Moderator (Subtype of User):**
   * Fields: faculty, department, jobTitle, verifiedByAdmin
3. **Author (Subtype of User):**
   * Fields: participantStatus, region, city, university, faculty, department, course, groupNumber
4. **Event:**
   * Fields: name, description, status, sections, createdBy
5. **Section:**
   * Fields: name, order, mod, event
6. **Submission:**
   * Fields: workName, withPublication, supervisorName, supervisorAcademicDegree, author, coauthors, event, section, comments, file, status, grade, grader
7. **News:**
   * Fields: title, content, createdBy

**Frontend Components:**

* Landing Page
* User Authentication Forms (Sign Up, Sign In)
* Event Management Interface (Admin)
* Submission Form (Author)
* Submission Review Interface (Moderator)
* News Management Interface (Admin)