**Evolve ACT – Sports Event Management System**

**Overall Requirements (with Hotel Cluster and Team Application Flow)**

**1. User Authentication & Registration**

* **Landing Page:**
  + Options to Register (for new users) or Login (for existing users) with submit button.
* **User Registration:**
  + Mandatory fields: First Name, Last Name, Email, Role (State Admin Manager, Lead Admin, Admin, Event Manager, Team Manager, Player, Hotel Manager), Organization, Password, Confirm Password. The password should be hashed properly so that decrypt should not throw issues.
  + Password and Confirm Password must match.
  + OTP Verification: System sends a One-Time Password (OTP) to email and mobile (if provided) for account activation.

**2. Role-Based Access & Permissions**

| **Role** | **Permissions & Actions** |
| --- | --- |
| **State Admin Manager** | Edit/approve any event, hotel, team, or player details for all tournaments. |
| **Lead Admin** | Edit/approve any event, hotel, team, or player details for a specific tournament. |
| **Admin** | Edit any event, hotel, team, or player details for a tournament. Can create tournaments (subject to approval). |
| **Event Manager** | Create/edit events (matches), record results, create/edit Hotel Clusters, assign hotels to teams. |
| **Hotel Manager** | Apply for hotel listing, update vacancies, accept/reject team accommodation requests, manage check-in/out via QR code and storing the time stamp. |
| **Team Manager** | Submit team/player applications, request accommodation, receive QR/confirmation codes for players. |
| **Player** | Participate in events, receive QR/confirmation codes for check-in/out. |

**3. Tournament, Event, and Hotel Cluster Management**

* **Tournament Creation:** 
  + Admins can create tournaments specifying name, location(s), start/end dates.
  + Requires approval from Admin, Lead Admin, or State Admin Manager.
* **Event (Match) Management:**
  + Event Managers schedule matches with date, time, and participating teams/players.
  + Record match results and manage team progression.
* **Hotel Cluster Management:**
  + Event Managers create/edit Hotel Clusters (groups of hotels around a tournament venue).
  + Assign hotels to clusters for streamlined accommodation selection.

**4. Team Application & Accommodation Assignment Flow**

* **Team Application:**
  + Team Manager submits an application for an event, including:
    - Event name (dropdown)
    - Team name
    - Player details (name, age, gender, position, email, mobile (India code), emergency contact – all mandatory)
    - Special request (optional, 120 characters)
  + Application sent to Event Manager for approval.
* **Hotel Assignment:**
  + Event Manager selects a Hotel Cluster near the event location.
  + Assigns a hotel within the cluster (automatically or manually, based on vacancies).
  + Hotel Manager approves or rejects the booking.
  + If rejected, the system reassigns to another hotel within the cluster or prompts for a new cluster.
* **Confirmation & Communication:**
  + Upon hotel approval, QR codes and confirmation codes are generated for each player.
  + Team Manager receives a summary; each player receives their code via SMS, Email, and WhatsApp.

**5. Hotel Management & Check-In/Out**

* **Hotel Application:**
  + Hotel Managers apply for listing in the system.
  + Admin/Lead Admin/State Admin Manager approves hotel applications.
  + Hotel Managers update current vacancies at any time.
* **Accommodation Requests:**
  + Hotel Managers receive team accommodation requests.
  + Can accept or reject based on room availability.
  + Use QR codes provided by players for check-in and check-out.

**6. Communication & Notifications**

* **Automated Notifications:**
  + All key actions (registration, application submission, approvals, QR/confirmation codes) trigger notifications via SMS, Email, and WhatsApp to relevant users.

**7. Example Scenario**

**Tamilnadu State Level Tournament** in Trichy, Madurai, and Coimbatore:

* Admin creates the tournament and submits for approval.
* Event Managers create matches and hotel clusters (e.g., “Madurai Stadium Cluster”).
* Team Managers submit player applications for events and request accommodation.
* Event Managers assign hotels from clusters; Hotel Managers approve bookings.
* Players receive QR codes for event and hotel check-in.

**Summary Table**

| **Feature** | **Description** |
| --- | --- |
| User Authentication | Registration with OTP, role selection, secure login |
| Role-Based Access | Permissions based on user role |
| Tournament & Event Management | Create/approve tournaments, schedule matches, record results |
| Hotel Cluster Management | Group hotels by location, assign clusters to events, streamline accommodation selection |
| Team Application Flow | Team and player data entry, event selection, special requests, approval workflow |
| Accommodation Assignment | Hotel selection via clusters, vacancy management, approval/reassignment logic |
| Hotel Management | Hotel listing application, vacancy updates, QR-based check-in/out |
| Communication & Notifications | Automated alerts and confirmations via SMS, Email, WhatsApp |

For SMS, Email and whatsapp integration for notification and OTP. Please integrate with Twilio.

Below are the twilio credentials

Account SID: ACe0e06b0be5ca0e37f89c5fce053ce05b

Auth Token : b5d2c2a1c9f76200abf602ac6073e046

MyTwilio Phone Number: +19123912627

Test Account SID: AC8a2ef21b9928b764106b1f606c3f315f

Test Auth Token : efd5d7bcac3cd9a77f9c61a87f8fbb65

**Sample Data:**

1. Sample Users

| **First Name** | **Last Name** | **Email** | **Role** | **Organization** |
| --- | --- | --- | --- | --- |
| Siddhartha | Sundaram | [siddhartha.sundaram@example.com](mailto:siddhartha.sundaram@example.com) | State Admin Manager | Sundaram Corp |
| Vijay | Chidambaram | [vijay.chidambaram@example.com](mailto:vijay.chidambaram@example.com) | State Admin Manager | Chidambaram Corp |
| Rahul | Balasubramaniam | [rahul.balasubramaniam@example.com](mailto:rahul.balasubramaniam@example.com) | State Admin Manager | Balasubramaniam Corp |
| Karthik | Raman | [karthik.raman@example.com](mailto:karthik.raman@example.com) | Lead Admin | Raman Corp |
| Ravi | Chidambaram | [ravi.chidambaram@example.com](mailto:ravi.chidambaram@example.com) | Lead Admin | Chidambaram Corp |
| Karthik | Iyer | [karthik.iyer@example.com](mailto:karthik.iyer@example.com) | Lead Admin | Iyer Corp |
| Ravindra | Rajagopal | [ravindra.rajagopal@example.com](mailto:ravindra.rajagopal@example.com) | Admin | Rajagopal Corp |
| Anand | Subramanian | [anand.subramanian@example.com](mailto:anand.subramanian@example.com) | Admin | Subramanian Corp |
| Karthik | Raman | [karthik.raman@example.com](mailto:karthik.raman@example.com) | Admin | Raman Corp |
| Anand | Iyer | [anand.iyer@example.com](mailto:anand.iyer@example.com) | Event Manager | Iyer Corp |
| Ravi | Chidambaram | [ravi.chidambaram@example.com](mailto:ravi.chidambaram@example.com) | Event Manager | Chidambaram Corp |
| Manish | Iyer | [manish.iyer@example.com](mailto:manish.iyer@example.com) | Event Manager | Iyer Corp |
| Karthik | Venkatesan | [karthik.venkatesan@example.com](mailto:karthik.venkatesan@example.com) | Team Manager | Tamilnadu Sports Association |
| Siddhartha | Chidambaram | [siddhartha.chidambaram@example.com](mailto:siddhartha.chidambaram@example.com) | Team Manager | Tamilnadu Sports Association |
| Ravi | Natarajan | [ravi.natarajan@example.com](mailto:ravi.natarajan@example.com) | Team Manager | Tamilnadu Sports Association |
| Karthik | Chidambaram | [karthik.chidambaram@example.com](mailto:karthik.chidambaram@example.com) | Player | Tamilnadu Sports Association |
| Manish | Rajagopal | [manish.rajagopal@example.com](mailto:manish.rajagopal@example.com) | Player | Tamilnadu Sports Association |
| Siddhartha | Rajagopal | [siddhartha.rajagopal@example.com](mailto:siddhartha.rajagopal@example.com) | Player | Tamilnadu Sports Association |
| Anand | Sundaram | [anand.sundaram@example.com](mailto:anand.sundaram@example.com) | Hotel Manager | Sundaram Corp |
| Anand | Iyer | [anand.iyer@example.com](mailto:anand.iyer@example.com) | Hotel Manager | Iyer Corp |
| Siddhartha | Venkatesan | [siddhartha.venkatesan@example.com](mailto:siddhartha.venkatesan@example.com) | Hotel Manager | Venkatesan Corp |

2. Sample Tournament

**Name:** Tamilnadu State Level Sports Championship 2025  
**Locations:** Trichy, Madurai, Coimbatore  
**Start Date:** 2025-08-01  
**End Date:** 2025-08-15  
**Approved:** Yes

3. Tamil Nadu Teams by Sport

| **Sport** | **Teams** |
| --- | --- |
| Hockey | Chennai Chargers, Coimbatore Blades, Tamil Nadu Dragons |
| Football | Madurai Strikers, Tirunelveli Tigers, Chennai City FC |
| Tennis | Chennai Aces, Coimbatore Racquets, V Chennai Warriors |
| Chess | Madurai Kings, Chennai Knights |
| Cricket | Chennai Warriors, Madurai Royals, Chennai Super Kings |
| Athletes | Tamil Nadu Sprinters, Coimbatore Runners |

4. Sample Events (Matches)

| **Sport** | **Match Name** | **Date** | **Time** | **Teams Involved** |
| --- | --- | --- | --- | --- |
| Hockey | Hockey Match 1 | 2025-08-09 | 12:00 | Chennai Chargers, Coimbatore Blades, Tamil Nadu Dragons |
| Hockey | Hockey Match 2 | 2025-08-07 | 12:00 | Chennai Chargers, Coimbatore Blades, Tamil Nadu Dragons |
| Football | Football Match 1 | 2025-08-12 | 10:00 | Madurai Strikers, Tirunelveli Tigers, Chennai City FC |
| Football | Football Match 2 | 2025-08-03 | 18:00 | Madurai Strikers, Tirunelveli Tigers, Chennai City FC |
| Tennis | Tennis Match 1 | 2025-08-07 | 16:00 | Chennai Aces, Coimbatore Racquets, V Chennai Warriors |
| Tennis | Tennis Match 2 | 2025-08-13 | 15:00 | Chennai Aces, Coimbatore Racquets, V Chennai Warriors |
| Chess | Chess Match 1 | 2025-08-13 | 14:00 | Madurai Kings, Chennai Knights |
| Chess | Chess Match 2 | 2025-08-14 | 09:00 | Madurai Kings, Chennai Knights |
| Cricket | Cricket Match 1 | 2025-08-05 | 18:00 | Chennai Warriors, Madurai Royals, Chennai Super Kings |
| Cricket | Cricket Match 2 | 2025-08-05 | 11:00 | Chennai Warriors, Madurai Royals, Chennai Super Kings |
| Athletes | Athletes Match 1 | 2025-08-04 | 09:00 | Tamil Nadu Sprinters, Coimbatore Runners |
| Athletes | Athletes Match 2 | 2025-08-02 | 14:00 | Tamil Nadu Sprinters, Coimbatore Runners |

1. Hotel Clusters by Tournament Location

| **Cluster Name** | **City** | **Description** |
| --- | --- | --- |
| Trichy Sports Cluster | Trichy | Hotels near major stadiums and sports grounds in Trichy |
| Madurai Stadium Cluster | Madurai | Hotels close to stadiums and city center in Madurai |
| Coimbatore Arena Cluster | Coimbatore | Hotels near sports venues and city hotspots in Coimbatore |

2. Sample Hotels by Cluster

**Trichy Sports Cluster**

| **Hotel Name** | **Proximity to Venue** | **Notable Features** |
| --- | --- | --- |
| Courtyard by Marriott Trichy | Central, near stadium | Fitness center, pool, event space |
| Hotel Deepam | Near Jai Sports and Games | Indoor games, comfortable rooms |
| SRM Hotel Trichy | Near Khaja Nagar sports ground | Family-friendly, close to grounds |
| Hotel Tamil Nadu Trichy | Near bus stand, railway | Reliable, government-run |

**Madurai Stadium Cluster**

| **Hotel Name** | **Proximity to Venue** | **Notable Features** |
| --- | --- | --- |
| Courtyard by Marriott Madurai | Near Race Course Stadium, city center | 5-star, event space, pool |
| Sterling V Grand Madurai | Close to sports bar & stadium | Rooftop pool, sports bar |
| Regency Madurai by GRT Hotels | Near Meenakshi Temple, city center | Deluxe rooms, pool, gym |
| Hotel Tamil Nadu Madurai 1 & 2 | Near bus stand/railway, city center | Budget-friendly, accessible |

**Coimbatore Arena Cluster**

| **Hotel Name** | **Proximity to Venue** | **Notable Features** |
| --- | --- | --- |
| Radisson Blu Hotel Coimbatore | Central, near major venues | Sports team accommodation, event space |
| Jenneys Residency Coimbatore | Near stadiums, city center | Pool, gym, event facilities |
| Coco Lagoon by Great Mount | Accessible to sports venues | Resort-style, family-friendly |
| SR Jungle Resort | Short drive to city stadiums | Indoor/outdoor games, nature |
| Hotel Tamil Nadu Coimbatore | Near bus stand, railway | Government-run, reliable |