Mid-Evaluation Report - G34



Formerly DA-IICT



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Table of contents

Group Members:	2
Introduction	5
1. Concept Poster and Chart Paper	5
1.1 Chart Paper	5
1.2 Concept Poster	5
2. Stakeholder and User Identification	5
2.1 Identification Process	5
2.2 Elicitation Techniques Applied	6
2.3 Identified Stakeholders and Users	6
i) Primary Stakeholders (End Users):	6
ii) Secondary Stakeholders:	6
3. Functional and Non-Functional Requirements (FRs and NFRs)	6
3.1 Identification Process	6
3.2 Elicitation Techniques Applied	7
1. Surveys (Technique 1)	7
2. Interviews (Technique 2)	7
3.3 Identified Functional Requirements (FRs)	8
1. User Registration and Authentication	8
2. User Profiles and Roles	8
3. Player Features	8
4. Venue Management	9
5. Coach Management	9
6. Payments and Transactions	10
7. Reviews and Feedback	10
8. Administration	10
9. Help and Support	10
3.4 Identified Non-Functional Requirements (NFRs)	10
1. System Performance and Reliability	10
2. Security and Privacy	11
3. Usability and Accessibility	11
4. Transparency and Trust	11
5. Support and Help	11
6. Maintainability and Reliability	11
4. User Stories	12
5. Division of Requirements into EPICs	24
EPIC 1: Account Creation and User Access	24
Sprint 1: Core Registration and Login	24

Sprint 2: Authentication and Account Security and Profile Updation	24
Epic 2: Venue and Coach Marketplace	25
Sprint 3: Marketplace Setup	25
Epic 3: Booking and Payments	25
Sprint 4: Core Booking System	25
Sprint 5: Payments and Financials	26
Epic 4: Player Community and Games	26
Sprint 6: Player Community Features	26
Epic 5: Reviews, Support and Trust	26
Sprint 7: Engagement and Support	26
Epic 6: Administration and Al Assistance	27
Sprint 8: Admin and Al Tools	27
6. Conflict Identification Between EPICs(or Sprints)	27
Conflict 1: Pricing Transparency vs. Revenue Optimization	27
Conflict 2: Booking Flexibility vs. Business Stability	27
Conflict 3: Open Feedback vs. Reputation Management	28
7. Proof of Concept (POC) for Sprint 1	29
8. GitHub Project Repository	30
9. Team Member Contributions	31
Stakeholder Identification	31
2. Interviews with Stakeholders:	31
3. Surveys for Stakeholders:	31
4. Identification of Functional and Non-Functional Requirements:	31
5. User Story Development:	31
6. EPICandSprints Creation:	31
7. Conflict Identification Between EPICs:	32
Frontend and Backend Implementation:	32

Introduction

Sports are essential for a healthy lifestyle, but many enthusiasts struggle to find venues, teammates, and qualified coaches. Venue owners often face challenges in managing bookings and filling empty slots, while coaches have limited ways to showcase their expertise and connect with players. These gaps lead to inefficiency and missed opportunities in the sports ecosystem.

SportSphere addresses these challenges by providing a **multi-sided platform** that connects **Players**, **Venue Owners**, **and Coaches** in one ecosystem. Unlike traditional booking apps, SportSphere goes beyond venue reservations by integrating **venue management**, **game hosting**, **and coach discovery** into a single solution.

- Players can book venues, host or join games, hire coaches, and receive personalized recommendations.
- **Venue Owners** can manage listings, update availability, set pricing, and track bookings.
- **Coaches** can showcase their expertise, set availability, accept bookings, and build credibility through ratings and reviews.

By uniting these stakeholders, SportSphere creates a **complete sports ecosystem** that simplifies booking, fosters community engagement, and makes sports more accessible.

1. Concept Poster and Chart Paper

- 1.1 Chart Paper
- 1.2 Concept Poster
- 2. Stakeholder and User Identification
- 2.1 Identification Process

To identify stakeholders, we discussed with people who are directly or indirectly connected to the platform, as well as those who may be affected by its operations.

2.2 Elicitation Techniques Applied

We conducted brainstorming sessions among group members to identify potential stakeholders.

2.3 Identified Stakeholders and Users

stakeholders of SportSphere include:

i) Primary Stakeholders (End Users):

- Players: Want to find teammates, book venues, and connect with coaches.
- **Venue Owners :** Need tools to list and manage their spaces, track bookings, and increase visibility.
- **Coaches :** Require a platform to showcase their skills, manage schedules, and attract new clients.

ii) Secondary Stakeholders:

- **Payment Providers :** Facilitate secure transactions between players, venues, and coaches.
- **Sports Clubs/Organizations :** Potential partners for events, tournaments, and facilities
- **Platform Admins :** Oversee system operations, verify listings, and handle disputes or issues

3. Functional and Non-Functional Requirements (FRs and NFRs)

3.1 Identification Process

The identification of Functional Requirements (FRs) and Non-Functional Requirements (NFRs) for the SportSphere platform was guided by the structured survey conducted with players and interviews with coaches and venue owners. The Google Form survey focused

on five key areas: player demographics, current challenges, desired features, technology and accessibility, and final expectations.

From the survey responses, we mapped specific questions to concrete requirements. For example, questions about finding venues and booking frustrations highlighted the need for transparent venue search, real-time availability, and cancellation policies (FR 3.1, FR 3.5, FR 3.7). Similarly, questions on finding teammates and tournaments pointed toward community-building features such as hosting and joining games (FR 3.2, FR 3.4, FR 3.11). The section on desired features (venue booking, hiring coaches, payment options) was directly translated into core FRs (FR 5.1, FR 6.1–6.3) while the technology and accessibility section informed the NFRs, such as usability, fast booking, secure transactions, and data privacy.

Interviews with coaches revealed requirements for showcasing expertise, flexible pricing, and scheduling (FR 5.1, FR 5.2), while discussions with venue owners highlighted the need for real-time slot management, conflict detection, and revenue dashboards (FR 4.3, FR 4.5, FR 6.6). Finally, broader insights such as the importance of user-friendly design, system reliability, and trustworthiness were captured as Non-Functional Requirements.

3.2 Elicitation Techniques Applied

Two elicitation techniques were primarily applied in this project:

1. Surveys (Technique 1)

- The Google Form distributed among players provided structured, large-scale input.
- For example:
 - The question "What frustrates you most when booking sports facilities?" led to identifying FR 4.3 (real-time slot availability) and FR 6.5 (refunds for cancellations).
 - The section "Which features would be most useful to you?" directly shaped requirements like FR 3.1 (venue search), FR 3.8 (search for coaches), and FR 7.1 (rate and review).

Survey form of players - Players Responses

2. Interviews (Technique 2)

• Semi-structured(On Call) interviews with coaches helped identify their need for profile showcasing and flexible training packages (FR 5.1, FR 5.2).

• Conversations with venue owners revealed challenges in managing availability and pricing, which shaped FR 4.2 (set slot prices, offers) and FR 4.5 (conflict warnings for booking clashes).

Interview of Venue Owners

- AK Cricket Turf
- Pradip Football Club

Interview of Coach -

- Adarsh Sir Badminton
- Pradip Sir Volleyball

By combining the breadth of surveys with the depth of interviews, we ensured the requirements addressed general user expectations. This dual approach helped us create a balanced set of FRs and NFRs that reflect the real-world needs of SportSphere stakeholders.

3.3 Identified Functional Requirements (FRs)

1. User Registration and Authentication

- FR 1.1: The system shall allow new users to register via email,
- FR 1.2:The system shall allow new users to register via phone number
- **FR 1.3**:The system shall allow new users to register via Google.
- **FR 1.4**: The system shall verify user identity during registration.
- **FR 1.5**: The system shall allow users to delete their account.
- **FR 1.6:** The system shall provide login and logout functionality
- **FR 1.7:** The system shall provide password reset functionality.

2. User Profiles and Roles

- **FR 2.1**: A user shall be able to create their profile with details like name, profile picture, and location.
- **FR 2.2:** A user shall be able to update their personal profile.
- **FR 2.3**: The system shall support multiple user roles (Player, Venue Owner, Coach) and assign role-specific permissions.

3. Player Features

• **FR 3.1**: The system shall allow players to search for venues by sport, location, price, and availability.

- **FR 3.2**: The system shall allow players to host a game by specifying sport type, required number of players, approximate cost-sharing, and preferred venue/location within a certain distance range.
- **FR 3.3:** The system shall allow players to view a list of hosted games matching their preferences.
- **FR 3.4:** The system shall allow a player to request to join a hosted game.
- **FR 3.5:** The system shall allow players to book a time slot at a venue.
- **FR 3.6:** The system shall allow players to reschedule a venue booking.
- **FR 3.7:** The system shall allow players to cancel a venue booking.
- **FR 3.8:** The system shall allow players to search for coaches.
- FR 3.9: The system shall allow players to view the profiles of coaches.
- **FR 3.10:** The system shall allow players to hire a coach.
- **FR 3.11:** The system shall notify players about suitable games based on their preferences.
- **FR 3.12:** The system shall allow players to view their booked matches.
- **FR 3.13:** The system shall send a reminder notification to a player before the start of each booked game.
- **FR 3.14:** The system shall send a booking confirmation notification to the player immediately after a successful booking and payment.
- **FR 3.15:** The system shall provide an Al assistant for Players that answers their queries and guides them.

4. Venue Management

- **FR 4.1**: The system shall allow venue owners to provide venue details (photos, amenities, parking info, sport types etc.).
- FR 4.2: The system shall allow venue owners to set slot prices, offers, and discounts.
- **FR 4.3**: The system shall show real-time availability of slots for each venue.
- **FR 4.4**: The system shall notify venue owners of new bookings, cancellations, or reschedules.
- **FR 4.5**: The system shall display a conflict warning to the venue owner if a booking clashes with a manually blocked slot.
- **FR 4.6:** The system shall allow venue owners to view their past and upcoming bookings.
- **FR 4.7:** The system shall provide a dedicated earnings dashboard for venue owners.
- **FR 4.8:** The system shall provide an Al-powered dashboard for Venue Owners summarizes bookings, reviews, revenue trends, and generates actionable business insights.

5. Coach Management

• **FR 5.1**: The system shall allow coaches to showcase their expertise, qualifications, and pricing.

- **FR 5.2**: The system shall allow coaches to set availability, pricing, and training packages.
- **FR 5.3:** The system shall provide a dedicated earnings dashboard for coaches.
- **FR 5.4:**The system shall provide an AI-powered dashboard for Coaches that summarizes bookings, reviews, revenue trends, and generates actionable business insights.

6. Payments and Transactions

- **FR 6.1**: The system shall allow users to make payments via UPI.
- FR 6.2: The system shall allow users to make payments via debit/credit cards.
- FR 6.3: The system shall allow users to make payments via digital wallets.
- **FR 6.4**: The system shall maintain a transaction history for each user.
- **FR 6.5**: The system shall support refunds in case of cancellations as per policy.
- **FR 6.6**: The system shall allow venue owners and coaches to track earnings through a dashboard.

7. Reviews and Feedback

- **FR7.1**: The system shall allow players to rate and review venues and coaches.
- **FR7.2**: The system shall display average ratings and feedback on venue/coach profiles.

8. Administration

- **FR 8.1**: An admin shall be able to verify a user account.
- **FR 8.2**: An admin shall be able to restrict unverified user accounts from accessing core functionalities, including booking, rating, and submitting reviews.
- **FR 8.3:** An admin shall be able to monitor platform activity via a dashboard.
- FR 8.4: The system shall generate reports on user engagement metrics.

9. Help and Support

- **FR 9.1**: The system shall provide an in-app Help and Support section accessible to all users.
- **FR 9.2**: The system shall provide a FAQ section covering common problems.

3.4 Identified Non-Functional Requirements (NFRs)

1. System Performance and Reliability

• **NFR 1.1 (Response Time):** The system shall load search results and process bookings within seconds under normal network conditions.

- **NFR 1.2 (Availability):** The system shall achieve 99% uptime, excluding scheduled weekly maintenance windows.
- **NFR 1.3 (Data Integrity):** The system shall ensure real-time accuracy of booking availability to prevent any double-bookings.
- **NFR 1.4 (Notification Delivery):** Critical notifications (booking, payment) must be delivered to the user within seconds of the triggering event.

2. Security and Privacy

- **NFR 2.1 (Secure Payments):** Payment transactions must be safe and confirmed within seconds.
- **NFR 2.2 (Data Privacy Control):** The system shall allow users to control the visibility of their personal profile information (e.g., full name, contact details).
- NFR 2.3 (Account Safety): The system shall enforce secure login with OTP verification.
- **NFR 2.4 (Verification):** The system shall include a process to verify coach certifications and validate venue registration to build user trust.

3. Usability and Accessibility

- **NFR 3.1 (Easy-to-Use Design)**: The interface should be clean, minimal, and easy for beginners.
- **NFR 3.2 (Multi-Device Access)**: The platform should work smoothly to provide a seamless experience on both mobile devices (browsers) and desktops.
- **NFR 3.3 (Clear Dashboards):** Venue owners and coaches should have easy-to-use dashboards to manage their pricing, and bookings..

4. Transparency and Trust

- **NFR 4.1 (Clear Pricing and Policies):** The system must display a complete breakdown of all charges, including taxes and fees, before the final payment step.
- NFR 4.2 (Verified Reviews and Ratings): The system shall only permit players who have completed a booking or attended a tournament to leave a review for that specific service.

5. Support and Help

- **NFR 5.1 (AI-Powered FAQ):** The AI FAQ shall provide accurate answers based on verified system knowledge and user queries to assist users efficiently.
- **NFR 5.2 (Customer Support Response):** Customer support inquiries shall receive an initial response within x business hours.
- NFR 5.3 (Guidance and FAQs): A help section and FAQs shall be available to address common problems and guide users.

6. Maintainability and Reliability

- **NFR 6.1 (Backup and Recovery):** The system database shall be backed up daily, with a plan to restore service within 4 hours in case of critical failure.
- NFR 6.2 (Future Scalability): The system shall handle a 50% increase in user traffic over 6 months without performance degradation.
- NFR 6.3 (Consistent User Experience): All user roles (Player, Venue Owner, Coach) shall have a stable and reliable experience.

4. User Stories

ID	Front of the card	Back of the card	FRs and NFRs
US 01	Browsing Venues and Games As a non-registered user, I want to view venues and ongoing games, So that I can discover opportunities to join games or book a venue.	 Given I am on the homepage or browse page, When I navigate the venue and game listings, Then I can see basic venue details and game information (date, time, participants) and be prompted to register or log in to join or book 	FR 3.1 FR 3.3
US 02	Registering with an Email As a non-registered user, I want to sign up easily on the website, So that I can create an account and unlock additional features	 Scenario 1: Successful Account Creation • Given I am a non-registered user on the "Sign Up" page, • When I enter a valid name, email, and a password, and click the "Sign Up" button, • Then my account is created, and I am redirected to a welcome page to set up my profile. 	FR 1.1
		 Scenario 2: Attempting to Register with an Existing Email Given I am a non-registered user on the "Sign Up" page, When I enter an email address that already exists in the system and submit the form, Then I see an error message 	

		stating, "This email is already registered. Please log in."	
US 03	Registering with a Google Account	Scenario 1: Successful Google Sign-Up	FR 1.3
	As a new visitor, I want to sign up for an account using my existing Google credentials, So that I can register quickly without having to create a new password.	 Given I am on the "Sign Up" page, When I click the "Sign up with Google" button and successfully authenticate with Google, Then a SportSphere account is created using my Google email and name, and I am logged in 	
US 04	Registering with Mobile Number As a new visitor, I want to sign up for an account using my mobile number, So that I can register quickly without needing to create an email account.	 Given I am on the "Sign Up" page and have selected the phone number option, When I enter my valid phone number, receive an OTP, and enter the correct OTP on the verification screen, Then my account is created, and I am logged in. Scenario 2: Mobile Number Already Registered Given I enter a mobile number that already exists in the system, When I submit the form, Then I see an error message stating, "This mobile number is already registered. Please log in. 	FR 1.2

US 05	Logging In and Out As a registered user, I want to securely log in and out of my account, So that I can access my personalized content and protect my account when I'm done	Scenario 1: Successful Login with Email/Phone number • Given I am on the login page and have registered with an email, • When I enter my correct email/ and password and click "Log In," • Then I am granted access to the application and redirected to my dashboard. Scenario 2: Unsuccessful Login • Given I am on the login page, • When I enter an incorrect email or password, • Then an error message "Invalid credentials, please try again" is displayed. Scenario 3: Logging Out • Given I am logged in, • When I click the "Log Out" button from the menu, • Then I am securely logged out, my session is ended, and I am redirected to the home/login page.	FR 1.6 NFR 2.3
US 06	Resetting a Forgotten Password As a registered user who has forgotten their password, I want to reset it using my registered email or phone number, So that I can regain access to my account	 Given I registered with an email address, When I click the "Forgot Password?" link, enter my registered email, and click "Send Link," Then I receive an email containing a unique, time-limited link to reset my 	FR 1.7

		password. Scenario 2: Resetting via Phone Number Given I registered with a phone number, When I click the "Forgot Password?" link, enter my registered phone number, and click "Send OTP," Then I receive an OTP via SMS, which I must enter to verify my identity, and I can then set a new password.	
US 07	As a registered user, I want to permanently delete my account and personal data, So that I can stop using the platform without leaving behind my data.	 Scenario 1: Confirming Account Deletion Given I am logged in and have navigated to the 'Account Settings' page, When I click "Delete Account" and confirm my choice in the confirmation pop-up, Then my account and all associated personal data are permanently deleted from the system. 	FR 1.5
US 08	Managing My Profile As a player, I want to update my personal profile information, So that my details are always current for other users to see.	 Given I am logged in and on my 'Edit Profile' page, When I change my details and click 'Save', Then a success message is displayed, and my profile now shows the updated details. 	FR 2.2 NFR 2.2

US 09	Searching for Venues	Scenario 1: Search with Filters	FR 3.1
	As a player, I want to search and filter venues by sport, location, and price, So that I can easily find a suitable place to play that matches my preferences.	 Given I am a logged-in player on the 'Find a Venue' page, When I filter by "particular sport", select a price range, and enter "particular city" as the location, Then the search results display a list of venues that match all the applied filters 	
US 10	As a player, I want to select a specific venue and choose an available date and time slot, So that I can proceed to checkout.	 Given I am a logged-in player on a venue's detail page, When I select an available date and time slot from the calendar and click "Proceed to Book", Then the system reserves the slot for a short period (e.g., 10 minutes) and redirects me to the payment confirmation page. Scenario 2: Slot Becomes Unavailable Given I am viewing a time slot that another user books simultaneously, When I try to select that slot, Then the system shows an error message indicating the slot is no longer available and prompts me to select another time. 	FR 3.5
US 11	Paying for a Booked Slot	Scenario 1: Successful Payment	FR 6.1 FR 6.2
		Given I am on the payment	FR 6.3

US 12	Receiving Booking Notifications As a player or venue owner, I want to be notified immediately after a booking is successfully confirmed,	 Given I am attempting to pay for a booking, When the payment fails, Then the system shows a payment failure message and allows me to retry without losing my reserved slot (within the time limit). Scenario 1: Notification on Successful Booking Given a player has successfully completed payment for a venue slot, When the booking is confirmed by the system, Then the system sends a confirmation notification to the player and a new booking 	FR 3.14 FR
	So that I have a record and can prepare for the game.	notification to the venue owner.	
US 13	and can prepare for		FR 3.13

		time, and game details.	
US 14	Getting Notified About Nearby Games As a player, I want to get notified about games happening nearby of my chosen sports, So that I may join them easily without missing opportunities.	 Given I have enabled notifications and set my preferred location range and preferred sports, When another player creates a game within that distance, Then I receive a notification with game details including venue, date, time, and number of players needed. 	FR 3.11
US 15	Viewing My Booked Matches As a player, I want to see all my booked matches, So that I can easily track and manage my upcoming and past games.	 Given I am a logged-in player, When I navigate to the "My Matches" section, Then I see a list of all my booked matches, separated into upcoming and past games, and each match displays the venue name, date, time, and participants. 	FR 3.12
US 16	Cancelling a Venue Booking As a player, I want to cancel an upcoming booking, So that I can free up the slot and receive a refund based on the cancellation policy.	 Scenario 1: Cancelling Within the Refund Period Given I have a confirmed booking and the venue's policy allows refunds up to y hours before, When I cancel my booking x hours in advance through the 'My Bookings' page, Then the booking is cancelled, and a refund is automatically processed to my original 	FR 3.7 FR 6.5

		payment method. Scenario 2: Cancelling Outside the Refund Period • Given I have a confirmed booking but the cancellation window for refunds has expired, • When I cancel the booking, • Then the booking is cancelled, • And I am shown a message that no refund is available according to the policy.	
US 17	Hosting a Game for Others to Join As a player, I want to host a game by defining its details, So that I can find other players to join me at a venue.	 Given I am on the "Host Game" page, When I fill in all required details (sport type, number of players, cost, and location) and click "Submit," Then the game is created, made visible to other players, and notifications are sent to those with matching preferences. 	FR 3.2
US 18	Joining Another Player's Game As a player, I want to send a request to join another player's game, So that I can team up with others and play.	 Given I am a logged-in player viewing a game hosted by another player, When I click "Request to Join" and the host approves my request, Then I am added to the list of participants and receive a confirmation notification. 	FR 3.4

		 Scenario 2: Preventing Duplicate Requests Given I have already sent a request to join a game, When I attempt to send another request, Then the system prevents duplicates and notifies me that my request is pending. 	
US 19	As a venue owner, I want to list my venue with its basic details, So that players can discover and book my venue.	 Given I am a logged-in venue owner, When I navigate to the "Add Venue" section, enter required details (name, photos, sports location, contact info, and price), and click "Save Venue," Then my venue is published and becomes visible in player search results. 	FR 4.1 FR 4.2 NFR 4.1
US 20	Managing Venue Availability As a venue owner, I want to edit available time slots for my venue, So that players can only book times that are valid and available	 Given I am a logged-in venue owner on my venue management dashboard, When I add/update/delete an available slot, Then the slot reflects the updated timing in the booking interface. 	FR 4.3
US 21	Tracking Venue Bookings As a venue owner, I want to see a list of all past and upcoming bookings for my venue,	Scenario 1: Viewing the Bookings List Given I am on my venue dashboard, When I navigate to the 'All	FR 4.6 NFR 3.3

	So that I can easily track and manage my business operations	 Bookings' section, Then a list is displayed showing player names, dates, times, and payment status for every booking. 	
US 22	Searching for a Coach As a player, I want to search for a coach based on sport and experience, So that I can find the right coach to improve my skills.	 Scenario 1: Successful Coach Search Given I am on the 'Find a Coach' page, When I filter by "particular sport" and "x+ years experience", Then a list of coaches matching these criteria is displayed with their profiles. 	FR 3.8 FR 3.9
US 23	Managing Coach Profile and Availability As a coach, I want to create my professional profile and set my available hours, So that players can find me and book my training sessions.	 Scenario 1: Setting Weekly Availability Given I am a logged-in coach on my 'Availability' page, When I set my schedule to be available every Monday and Wednesday from 4 PM to 6 PM, Then these time slots become visible and bookable for players viewing my profile. 	FR 5.1 FR 5.2
US 24	Tracking Earnings As a coach or venue owner, I want to see my transaction history and total earnings, So that I can track the revenue I generate from the platform.	 Scenario 1: Viewing the Earnings Dashboard Given I am a logged-in coach or venue owner, When I navigate to the 'Earnings' or 'Wallet' section of my dashboard, Then a summary of my total earnings, a list of recent transactions, and payment settlement details are displayed. 	FR 4.7 FR 5.3 FR 6.4

US 25	Reviewing a Completed Session As a player who has completed a game or a training session, I want to give the venue or coach a star rating and write a review, So that I can share my experience with the community	 Given I have a completed venue booking in my history, When I navigate to my past bookings and click "Leave a Review" for that venue, Then I am taken to a screen where I can submit a star rating and a text comment for the venue. Scenario 2: Leaving a Review for a Coach Given I have a completed coaching session in my history, When I navigate to my past sessions and click "Review Coach", Then my review is saved and displayed on the coach's public profile. 	FR 7.1 FR 7.2 NFR 4.2
US 26	Accessing the Help Center As a user who is confused or has a problem, I want to access a Help and Support section, So that I can find answers to common questions or learn how to contact customer support.	 Given I am on any page of the application, When I click on the "Help and Support" link in the navigation menu, Then I am redirected to the Help Center page containing FAQs, guides, and contact options. 	FR 9.1 FR 9.2 NFR 5.2 NFR 5.3
US 27	Monitoring Platform Health As an Admin, I want to view a dashboard with platform activity metrics,	 Scenario 1: Viewing Key Metrics Given I am a logged-in Admin on the dashboard, When I open the "Overview" section, 	FR 8.3

	So that I can monitor usage trends and ensure smooth operations.	Then I see key statistics such as number of new users, active bookings, total revenue, and recent reviews.	
US 28	Restricting Unverified User Accounts As an Admin, I want to restrict unverified user accounts from accessing core features, So that only verified users can book venues, rate, or submit reviews.	 Scenario 1: Restricted Access for Unverified Users Given a user account is marked as unverified, When the user attempts to book a venue, rate, or submit a review, Then the system prevents the action and shows a message: "Please verify your account to access this feature." 	FR 8.2
US 29	As a player, I want to book a session with a coach for an available date and time slot, So that I can receive personalized training without scheduling conflicts.	 Given I have selected a coach from the search results, When I choose an available date and time slot and confirm the booking, Then the system schedules the session, sends me a confirmation notification, and updates the coach's calendar. 	FR 3.10
US 30	Player Al Assistance As a Player, I want Al assistance to get answers and guidance, So that I can resolve issues or find information quickly.	 Given I am a logged-in Player on the platform, When I ask the AI for help or guidance, Then the system provides relevant answers. 	FR 3.15 NFR 5.1

US 31 Venue Owner and Coach Al Insights As a Venue Owner or Coach, I want an Al assistant that summarizes my bookings, reviews, and revenue trends, So that I can optimize my business decisions.	 Given I am a logged-in Venue Owner or Coach, When I request information on bookings, sessions, or earnings, Then the system presents a clear summary and actionable insights. 	FR 4.8 FR 5.4 NFR 5.1
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5. Division of Requirements into EPICs

EPIC 1: Account Creation and User Access

Goal : Covers how users create, access, and manage their accounts. This is the foundation of the platform.

User Stories: US 01, US 02, US 03, US 04, US 05, US 06, US 07, US 08

Sprint 1: Core Registration and Login

Goal: Allow users to browse the site, create an account with email, then log in.

Tasks:

- Display homepage with venues/games overview (for non-registered users)
- Implement e-mail sign-up and login functionality.

Sprint 2: Authentication and Account Security and Profile Updation

Goal: Allow users to manage their basic Profile. Add alternative sign-up methods and crucial account security features like password reset and account deletion.

Tasks:

• Implement secure login and logout.

- Add Google and Phone Number as alternative login options.
- Add an account deletion option.
- Enable users to update their profile information (name, picture, location, etc.).

Epic 2: Venue and Coach Marketplace

Goal: To create the central marketplace where players can discover venues and coaches through robust search and filtering capabilities.

User Stories:

US 09, US 19, US 20, US 21, US 22, US 23

Sprint 3: Marketplace Setup

Goal : Allow users to search for venues and coaches, and enable owners/coaches to manage listings and availability.

- Venue and coach search.
- Venue listing and availability management.
- Coach profiles and availability scheduling.

Epic 3: Booking and Payments

Goal: To build a seamless, end-to-end system for booking services, processing secure payments, and managing all related transactions.

User Stories:

US 10, US 11, US 12, US 13, US 15, US 16, US 29, US 24

Sprint 4: Core Booking System

Goal: Develop the primary user workflow for booking a service, from selecting a time slot to receiving confirmations.

- Slot selection, booking flow, booking history.
- Notifications and reminders.

Sprint 5: Payments and Financials

Goal: Integrate a secure, multi-option payment system and provide essential financial management tools for coaches/venue owners.

- Payment integration (UPI, card, wallets).
- Refund handling and transaction history.
- Earnings dashboard for coaches/venue owners.

Epic 4: Player Community and Games

Goal: To achieve player-to-player engagement by enabling players to host and join games with each other.

• User Stories:

US17, US18, US14

Sprint 6: Player Community Features

Goal: Core features that allow players to create and find community-hosted games.

- Hosting/joining games.
- Nearby game notifications based on preferences.

Epic 5: Reviews, Support and Trust

Goal: To build user trust and provide reliable assistance through a transparent feedback system and accessible support channels.

• User Stories:

US25, US26

Sprint 7: Engagement and Support

Goal: Implement a comprehensive user review system and Help Center with FAQ Section.

• Reviews and ratings (venues or coaches).

• Help Center with FAQs and contact.

Epic 6: Administration and AI Assistance

Goal: To provide administrators with platform monitoring tools and enhance the user experience with Al-powered assistance.

User Stories:

US27, US30, US31, US32

Sprint 8: Admin and AI Tools

Goal: Implement administrative dashboard for platform oversight and integrate an Al assistant to support all user types.

- Admin dashboards (platform health, metrics).
- Al chat/assistant for players, venues, and coaches.

6. Conflict Identification Between EPICs(or Sprints)

Conflict 1: Pricing Transparency vs. Revenue Optimization

- **Conflicting Epics**: EPIC 2 (Venue and Coach Marketplace) and EPIC 3 (Booking and Payments).
- **Players**: Require transparent pricing to make informed decisions. The system must allow them to search for venues by price and display a full cost breakdown before payment.
- **Venue Owners and Coaches**: Need the flexibility to set their own slot prices, create offers, and define custom training packages to manage their business and maximize revenue.
- Conflict: The need for owners and coaches to implement pricing strategies to
 optimize their earnings can conflict with the players' demand for simple,
 transparent, and easily comparable pricing.

Conflict 2: Booking Flexibility vs. Business Stability

- **Conflicting Epics**: EPIC 3 (Booking and Payments).
- **Players**: Require the convenience of being able to reschedule or cancel bookings and expect support for refunds.
- Venue Owners and Coaches: Rely on a stable schedule of confirmed bookings for their revenue. Their ability to track earnings is directly impacted by cancellations, which can lead to financial loss.
- **Conflict**: The player-centric cancellation and refund features in **EPIC 3** create instability for the Venue Owner. A last-minute cancellation, while convenient for the player, re-opens an empty slot that the owner may not be able to fill, directly undermining the management and revenue-generating tools provided in **EPIC 2**.

Conflict 3: Open Feedback vs. Reputation Management

- **Conflicting Epics**: EPIC 5 (Reviews, Support and Trust).
- **Players**: Need to be able to leave honest ratings and reviews to share their experiences, which is essential for building a trusted community.
- Venue Owners and Coaches: Depend on positive ratings and reviews to build their professional credibility and attract new clients. Their businesses are vulnerable to unfair or malicious negative feedback.
- **Conflict**: There is a direct conflict between the players' desire for uncensored feedback and the venue owners' and coaches' need to protect their professional reputations from unfair damage.

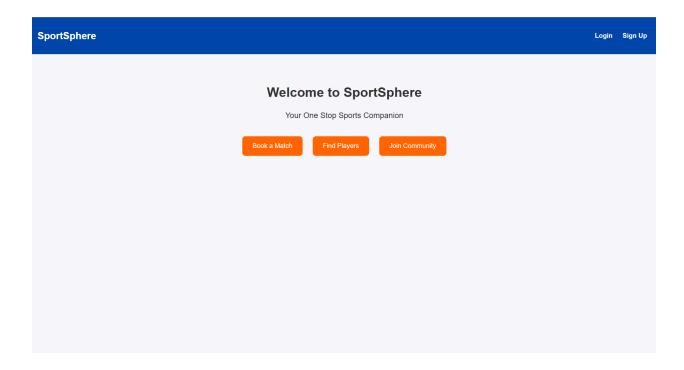
7. Proof of Concept (POC) for Sprint 1

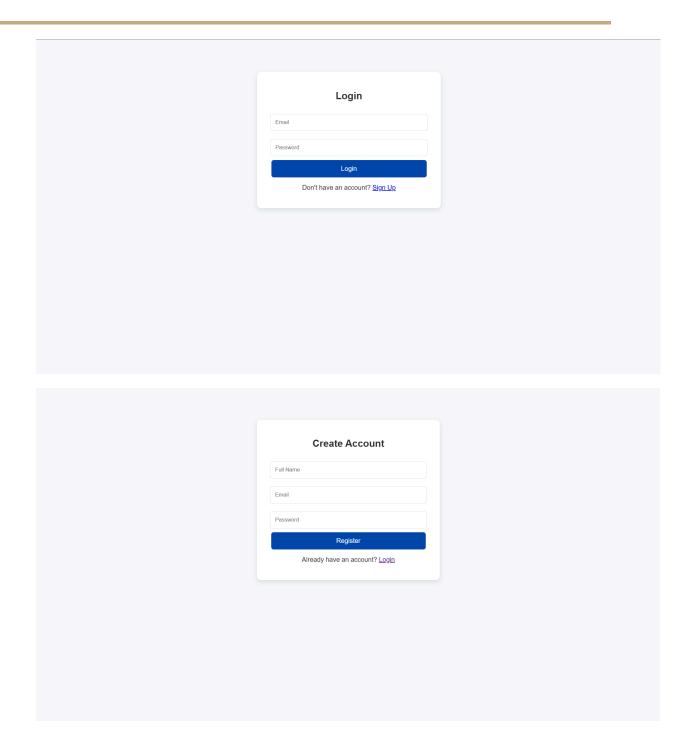
• **Objective of Sprint 1:** Allow new visitors to explore the platform and register.

• Implemented Feature:

- Developed the frontend for the homepage, login page, and signup page with basic UI.
- Implemented the backend to handle user registration and login using email and password.
- Designed and implemented a database schema to securely store user credentials with encryption.

Screenshots:





8. GitHub Project Repository

Repository Link: Click Here

9. Team Member Contributions

1. Stakeholder Identification

 All group members participated in brainstorming sessions to identify potential stakeholders.

2. Interviews with Stakeholders:

- Questions were discussed and finalized by the group.
- Created by: Prasham Shah, Sujal Prajapati
- **Conducted by:** Sujal Prajapati, Maanav Gurubaxani

3. Surveys for Stakeholders:

- Survey questions were discussed and finalized by the group.
- Created/Distributed by: Diya Patel, Yesha Joshi

4. Identification of Functional and Non-Functional Requirements:

- FRs Created by: Diya Patel, Yesha Joshi
- NFRs Created by: Yug Tejani, Prasham Shah
- FRs and NFRs were discussed by the Group.

5. User Story Development:

- **Created by**: Vivek Parmar, Harsh Maheriya, Vraj Parikh, Diya Patel, Yesha Joshi, Yug Tejani, Prasham Shah
- All User Stories were discussed by the Group.

6. EPICandSprints Creation:

- **EPICs Created by**: Vivek Parmar, Harsh Maheriya
- Sprints Created by: Jas Mehta
- All EPICS and Sprints were discussed by the Group

7. Conflict Identification Between EPICs:

Yesha Joshi, Diya Patel

8. Frontend and Backend Implementation:

- Frontend: Maanav Gurubaxani, Vraj Parikh, Sujal Prajapati, Prasham Shah
- Backend: Harsh Maheriya, Jas Mehta