

Functional Requirement Document for Turf Booking Website – FlexField

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1. Introduction:

The Functional Requirement Document (FRD) provides a detailed description of the features and functionalities for the FlexField Turf Booking Website. This document outlines the core functionalities, user interactions, and responses for each module of the webpage.

1.1 Purpose:

The purpose of this document is to specify the functional requirements for the FlexField Turf Booking Website, which allows users to sign up or log in, book turfs by selecting a game and venue, join or form teams, and view tournaments.

1.2 Intended Audience:

- Development Team
- QA/Test Team
- UI/UX Designers
- Business Analysts
- Database Administrators
- Project Stakeholders

2. Functional Requirements:

- When the user types the URL <http://www.flexfield.com> it should navigate to the Home page of **FlexField** website.

2.1 Home Page:

2.1.1 Home Page before Login

- The Home page should contain the following fields at top section:
 - Logo (FlexField) on the top-left.
 - Navigation Link for Login on the top-right. The navigation links are consistently displayed on every page.
- The Main Banner Section displays a Central slogan "Book Turfs. Join Teams. Play More."
- The Main page present below the banner section should display the features and feedback of the website.

- The footer section displays the Team Credits and copyright.
(Home page screen before Login is shown in the Figure 1.1, Figure 1.2 and Figure 1.3)

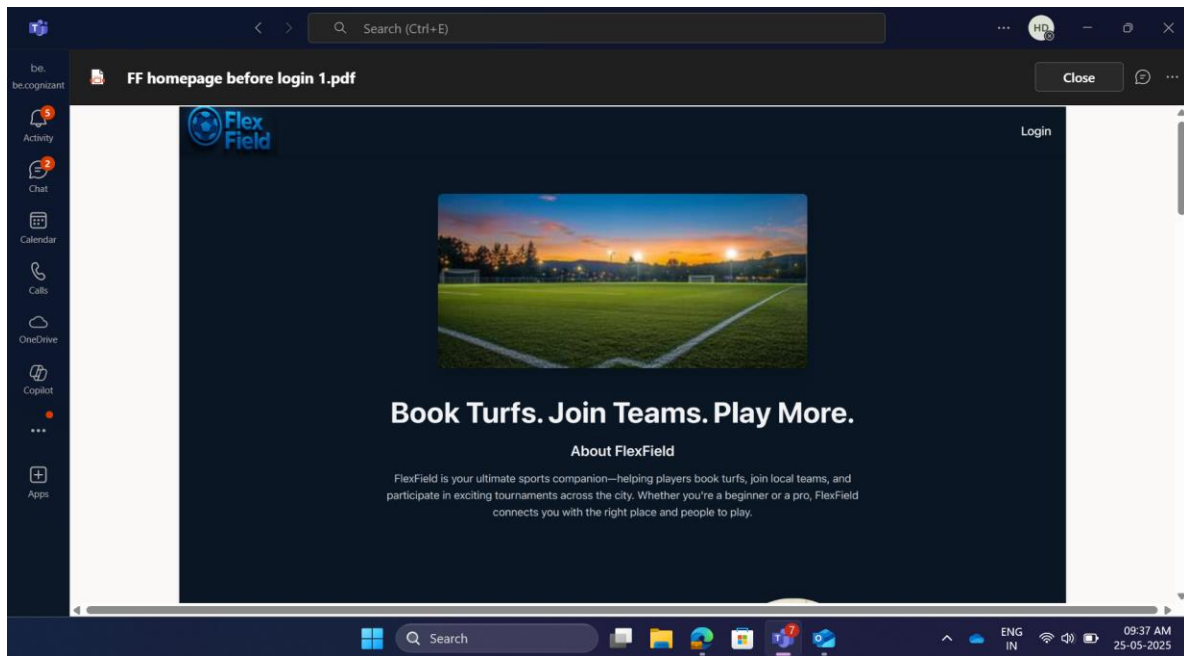


Figure 1.1

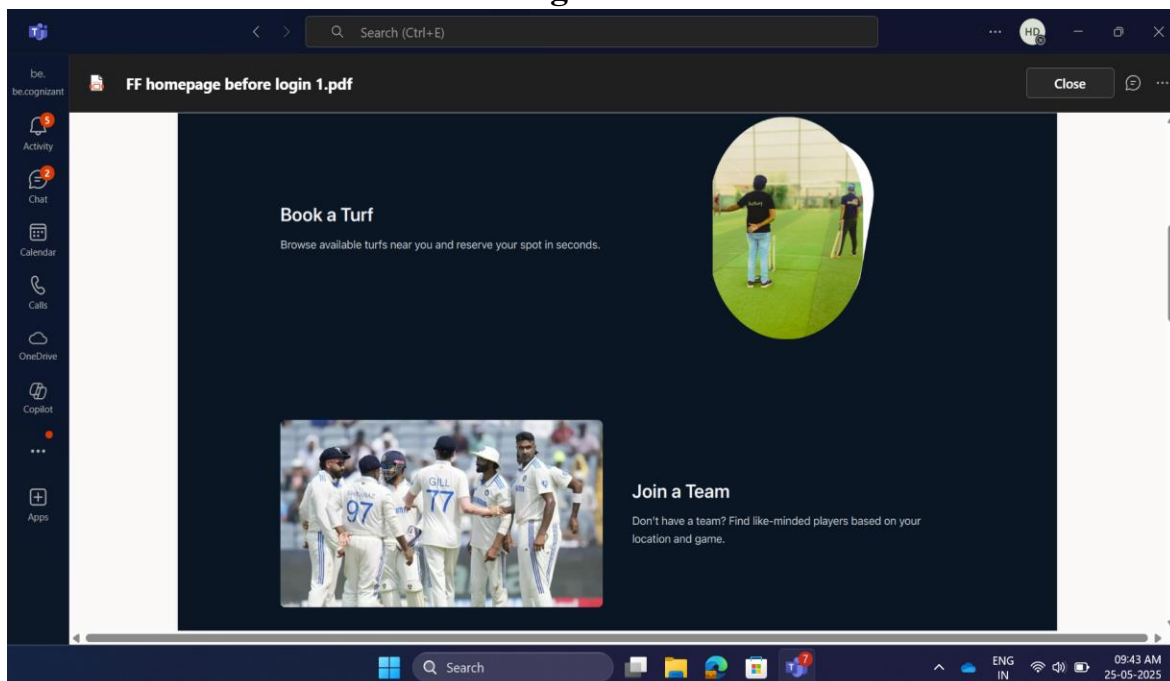


Figure 1.2

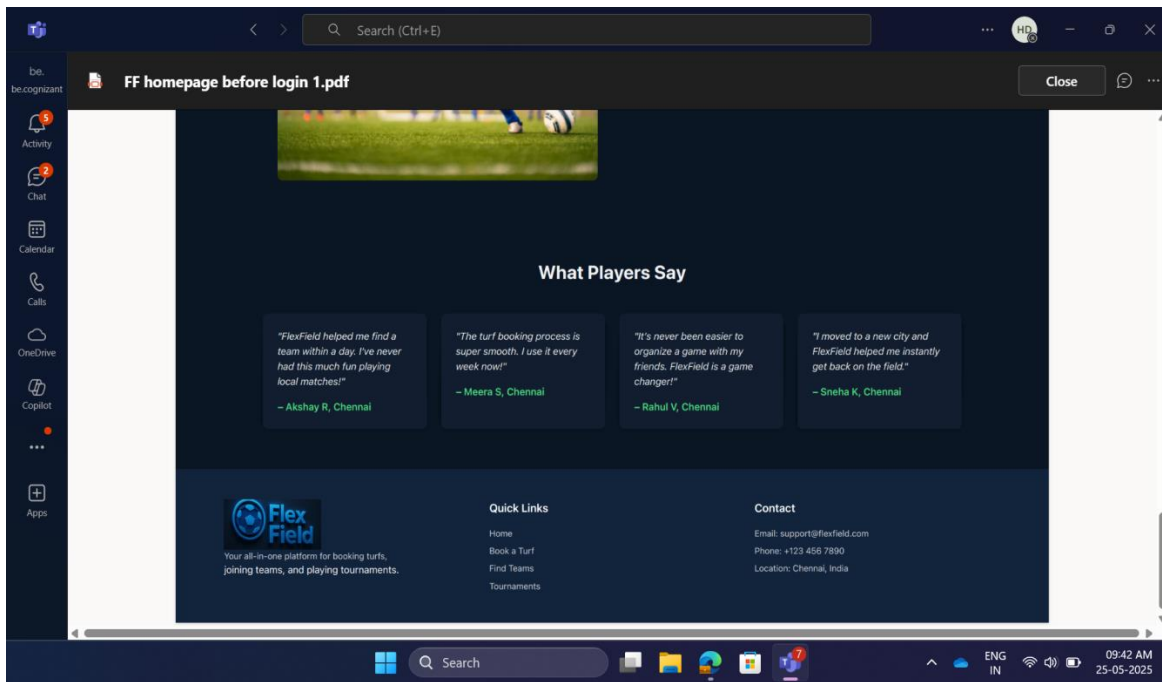


Figure 1.3

2.1.2 Home Page after Login

- The Home page should contain the following fields at top section:
 - Logo (FlexField) on the top-left
 - Navigation Links such as Games, Venues and Profile icon on the top-right. The navigation links are consistently displayed on every page.
 - Profile icon reveals user details when logged in: Name, Gender, Phone, Email, a text area for About section with “write about yourself ” as placeholder and Logout button.
- On clicking the “Games” in navigation section of Home page, a drop-down menu appears with the following options:
 - Cricket
 - Football
- The Main Banner Section displays a central slogan "Book Turfs. Join Teams. Play More."
- The Main page present below the banner section should display About FlexField, how it works, Why Choose FlexField, What Players Say and available venues.
- The Main page present below the banner section should display the features and feedback of the website.
- The footer section displays the Team Credits and copyright.

(Home page screen after Login is shown in the Figure 1.4, Figure 1.5 ,Figure 1.6 and Figure 1.7)

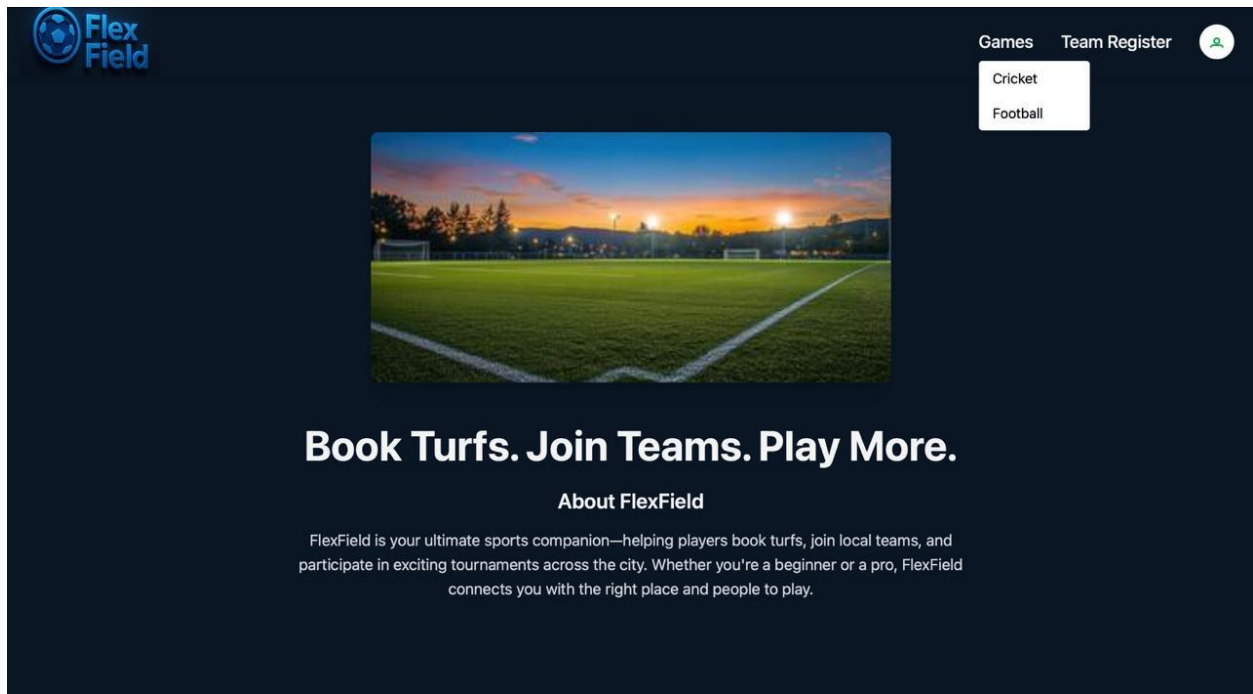


Figure 1.4

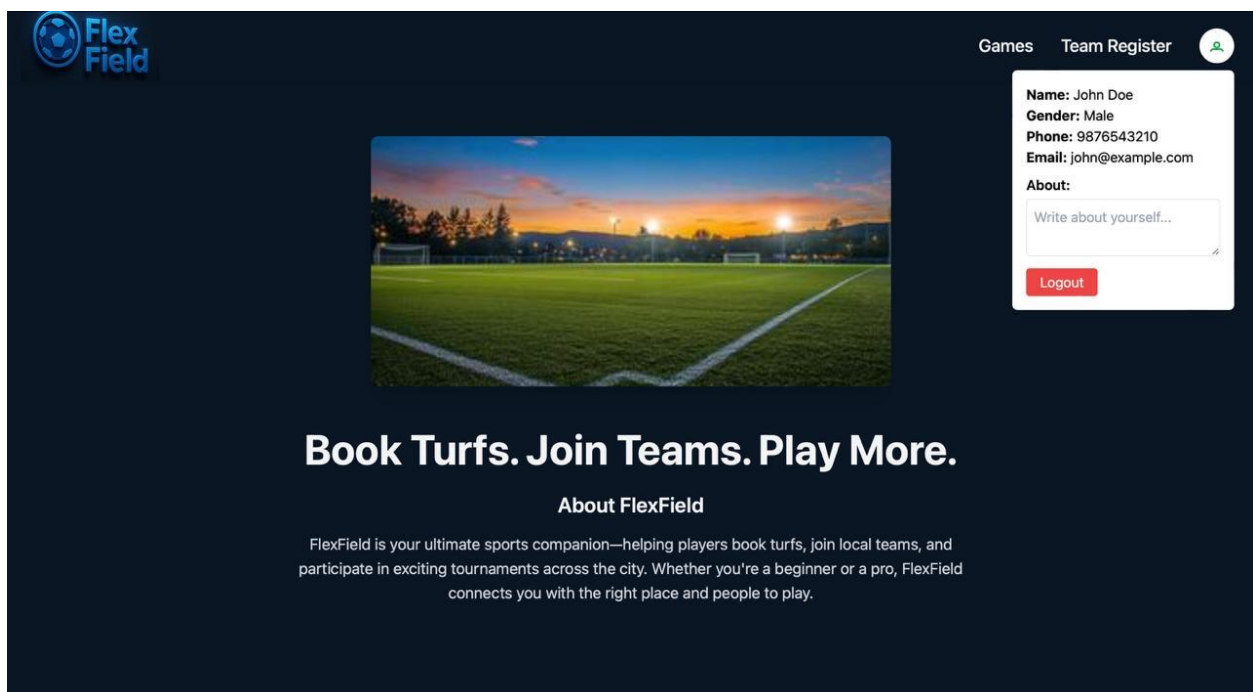


Figure 1.5

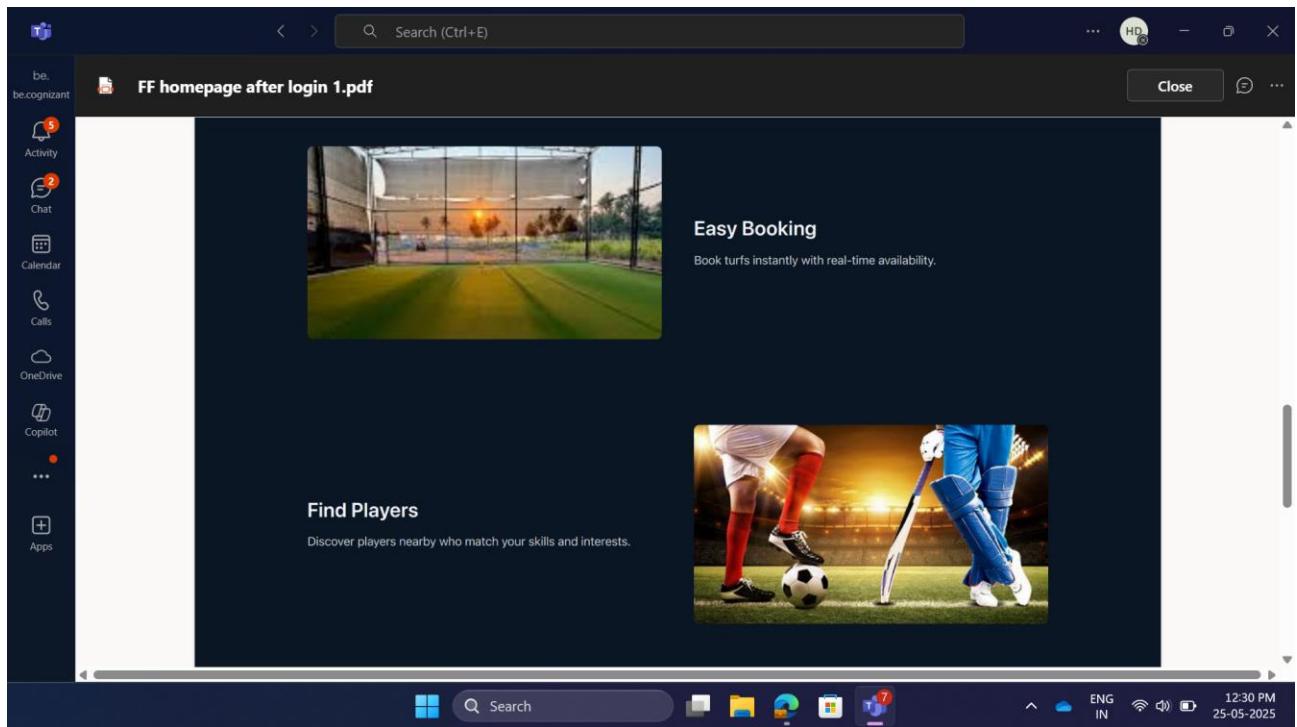


Figure 1.6

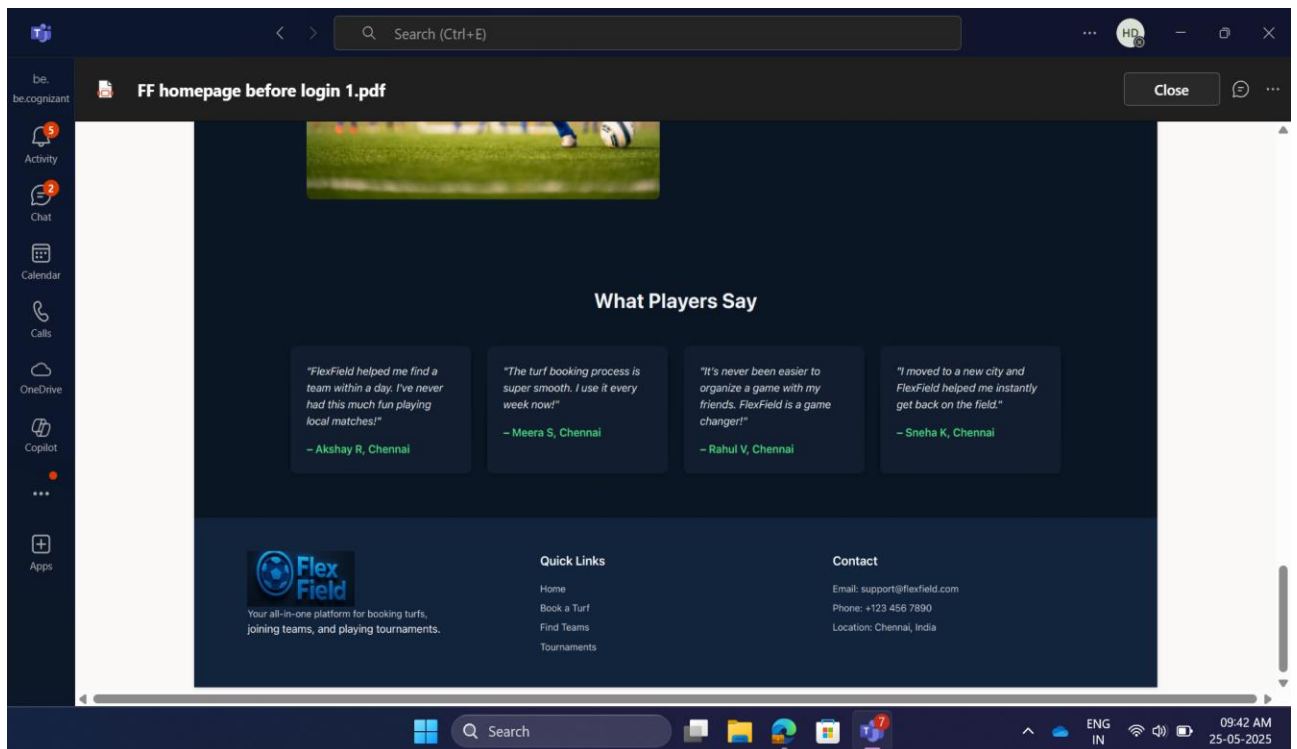


Figure 1.7

2.2 Login Page:

- On clicking the Login button from the Home page navigation bar, the user is redirected to the Login page.

- A form is displayed that contains two mandatory textbox fields.
- The first text box has label “Email or Phone No.” with “Enter your email or phone” as placeholder.
- In case of Phone number, the number is validated such that it accepts only 10 digits.
- The second text box has the label “Password” with “Enter your password” as placeholder.
- The password can contain alphanumeric characters, with length of 8-16 characters and must contain atleast one special character.
- A button is needed for Login, on clicking, login into the user’s respective account.
- Give a phone number & password and click the login button. This would redirect the user to the home page. If no user is present with entered login credentials, show message “Invalid credentials. Try again”
- In case users do not have an account, they may click on the "Sign Up" link.
(Login page screen is shown in the Figure 2.1)

Figure 2.1

2.3 Sign-Up Page:

- On clicking the “Sign Up” link in the Login page, new users can register themselves in the Turf booking System.
 - The sign-up page allows new users to register by entering their personal and contact information. The form fields include:
 - Name – It can contain only uppercase and lowercase alphabets. Special characters and numbers are not allowed.
 - Date of Birth – It should follow DD/MM/YYYY format.
 - Gender (Radio buttons: Male, Female)
 - Contact Number – It should contain only numbers and the length must be 10.
 - Email
 - Area Pin Code – Pin code must contain only numeric values and exactly must be of length 6.
 - New Password and Confirm Password – Both the new password and confirm password must be the same. It can contain alphanumeric characters with length of 8-16 and must contain at least one special character.
 - All the above fields are mandatory.
 - A button is needed for Sign-up, on clicking, the user is registered and redirected to the home page.
- (Sign-Up page screen is shown in the Figure 3.1)

The screenshot shows a 'Sign Up' form on a dark blue background. The form is white with a blue header 'Sign Up'. It includes the following fields and options:

- Name:** A text input field with placeholder text 'Enter your name'.
- DOB:** A date input field showing '24/05/2025'.
- Gender:** Radio buttons for 'Male' (selected) and 'Female'.
- Contact No.:** A text input field with placeholder text 'Enter your phone number'.
- Email:** A text input field with placeholder text 'Enter your email'.
- Pin Code:** A text input field with placeholder text 'Enter your area pin code'.
- Registering As:** Radio buttons for 'Individual' (selected) and 'Team'.
- Password:** A text input field with placeholder text 'New'.
- Confirm:** A text input field with placeholder text 'Re-enter'.

At the bottom of the form is a blue 'Sign Up' button. Below the button is a link that says 'Already registered? Login'.

Figure 3.1

2.4 Team Registration Feature:

- The team registration pop up appears when user selects the “Team” radio button.
- Teams can register by clicking on “Team registration” link present in the header section of home page.
- A pop-up form appears with the following fields:
 - A textbox for “Team name” which must be unique.
 - A Sport label with radio buttons cricket and football
 - A textbox for Phone number
 - A textbox for Email
 - The “Register Team” button is needed for submitting the team details

(Football Team finder screen is shown in the Figure 4.1)

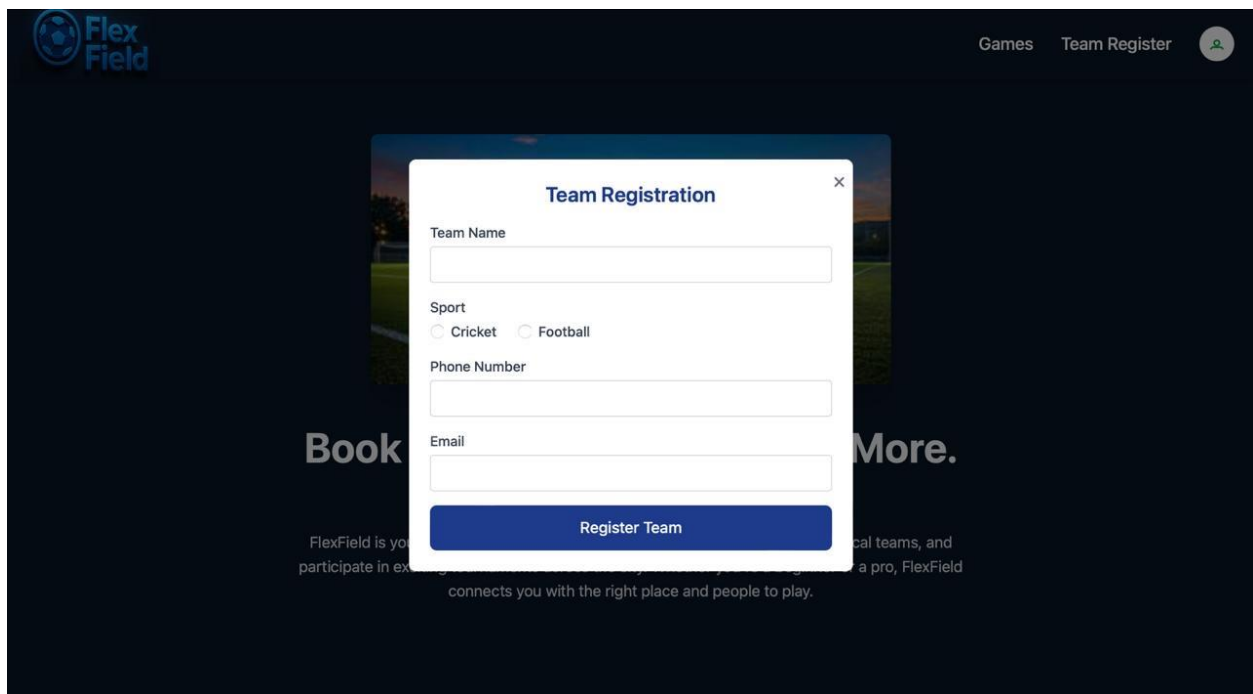
The image is a screenshot of a web application interface. At the top left is the 'FlexField' logo, which includes a soccer ball icon. To the right of the logo are navigation links for 'Games' and 'Team Register', followed by a user profile icon. A modal window titled 'Team Registration' is centered on the screen. This modal contains several input fields: a text box for 'Team Name', a 'Sport' section with radio buttons for 'Cricket' and 'Football', a text box for 'Phone Number', and a text box for 'Email'. At the bottom of the modal is a blue button labeled 'Register Team'. The background of the website is dark blue with some text and images partially visible behind the modal.

Figure 4.1

2.5 Games Page:

2.5.1 Dashboard for Cricket

- On clicking the Cricket option from the Games drop-down in the Home page, it redirects the user to Cricket Dashboard.
- A consistent header section should appear with logo on top left and navigation links on top right.
- A Tile-based navigation should be displayed that consists of the following containers with links
 - Book Now: Directs to turf booking page of cricket (section 2.6.1).
 - Find a Team: Lists available cricket teams for joining (section 2.8.1).
 - Find a Player: Displays available cricket players for matches (section 2.7.1).
 - View Tournaments: Shows upcoming or ongoing cricket tournaments (section 2.9).

(Dashboard for cricket screen is shown in the Figure 5.1)

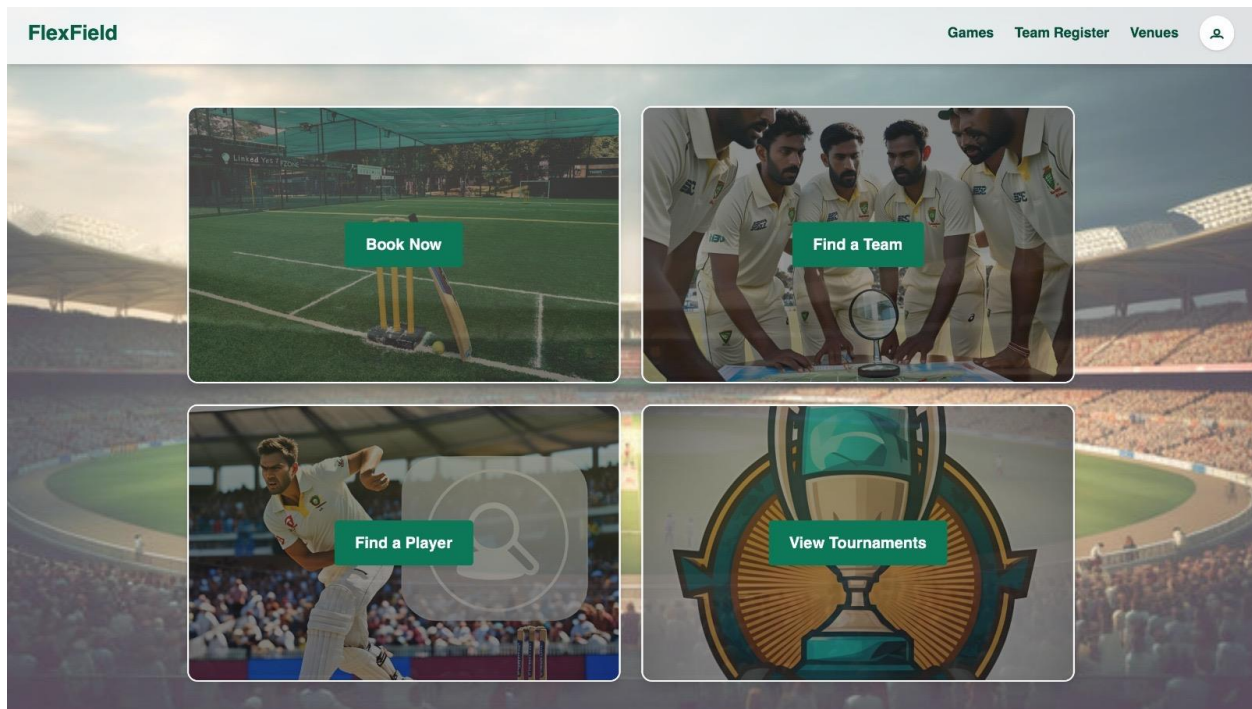


Figure 5.1

2.5.2 Dashboard for Football

- On clicking the Football option from the Games drop-down in the Home page, it redirects the user to Football Dashboard.

- A consistent header section should appear with logo on top left and navigation links on top right.
- A Tile-based Navigation should be displayed that consists of the following navigation links
 - Book Now: Directs to football turf booking page (section 2.6.2).
 - Find a Team: Lists available football teams for joining (section 2.8.2).
 - Find a Player: Displays available football players for matches (section 2.7.2).
 - View Tournaments: Shows upcoming or ongoing football tournaments (section 2.9).

(Dashboard for football screen is shown in the Figure 5.2)

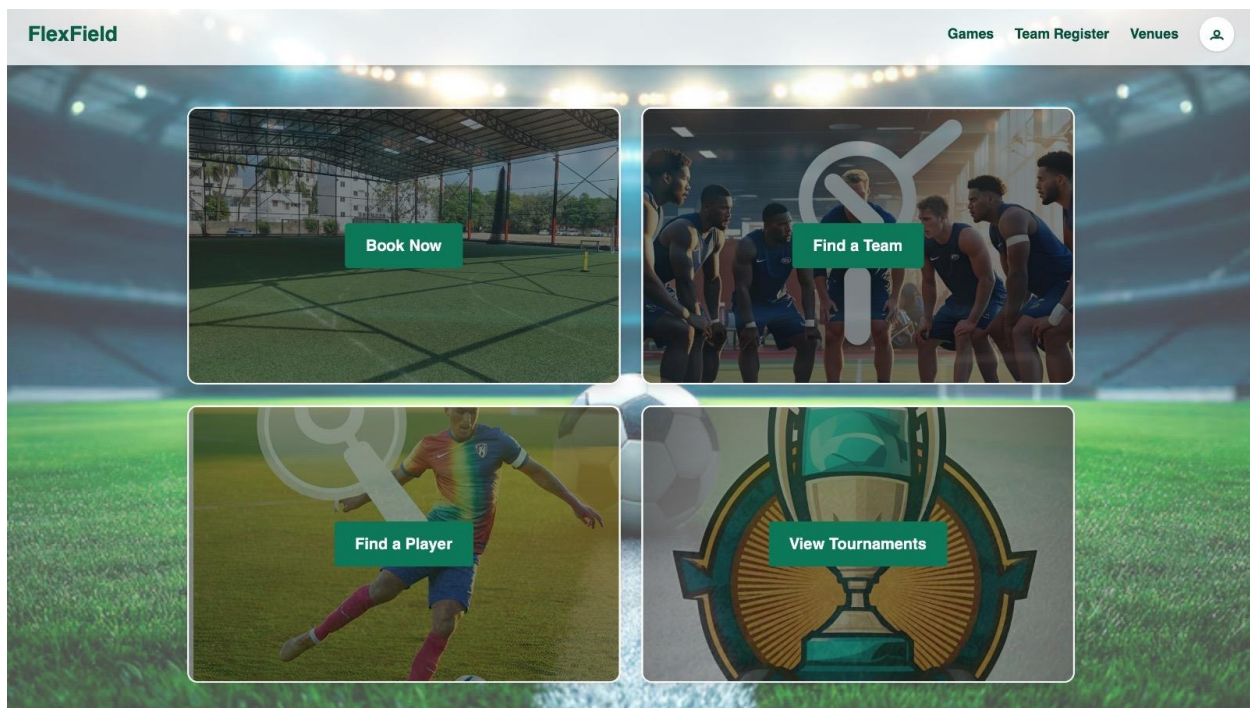


Figure 5.2

2.6 Booking Page:

- The Booking Page is displayed when user presses the “Book Now” button in the games dashboard.

2.6.1 Turf Booking for cricket

- A consistent header section should appear with the logo on top left and navigation links on top right.
- A header “Book cricket turf” is displayed.
- The main section consists of a Date textbox and location textbox that filters and populates the available turfs based on the date and location.
- A search button is present to the right of the textbox, clicking will fetch the available turfs and display as tile format.
- The Turf Listings Should Include:
 - Name of the turf
 - Location
 - User rating (star-based system).
 - Timings (available hours).
 - Hourly pricing.
 - Call Now Action Button that initiates a direct phone call to turf manager.
 - Email Now Action Button that email client to send inquiries.
 - View on Map Action Button integrates with maps (like Google Maps) to show location.

(Turf booking for cricket screen is shown in the Figure 6.1)

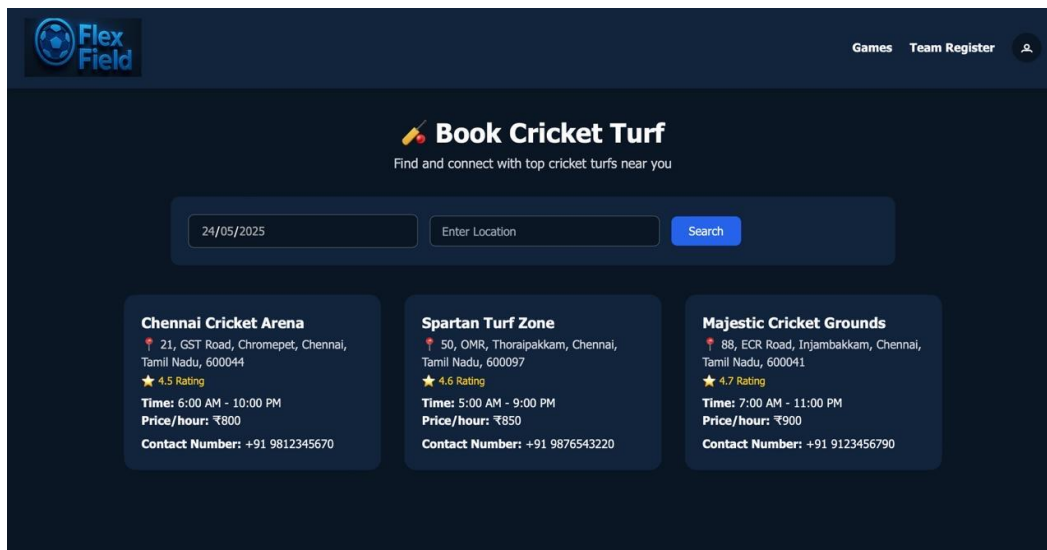


Figure 6.1

2.6.2 Turf Booking for Football

- A consistent header section should appear with logo on top left and navigation links on top right.
- A header “Book cricket turf” is displayed
- The main section consists of Date textbox and location textbox that filters and populates the available turfs based on the date and location .
- A search button is present to the right of the textbox, on clicking will fetch the available turfs and display as tile format.
- The Turf Listings Should Include:
 - Name of the turf
 - Location
 - User rating (star-based system).
 - Timings (available hours).
 - Hourly pricing.
 - Call Now Action Button that initiates a direct phone call to turf manager.
 - Email Now Action Button that email client to send inquiries.
 - View on Map Action Button integrates with maps (like Google Maps) to show location.

(Turf Booking for Football screen is shown in the Figure 6.2)

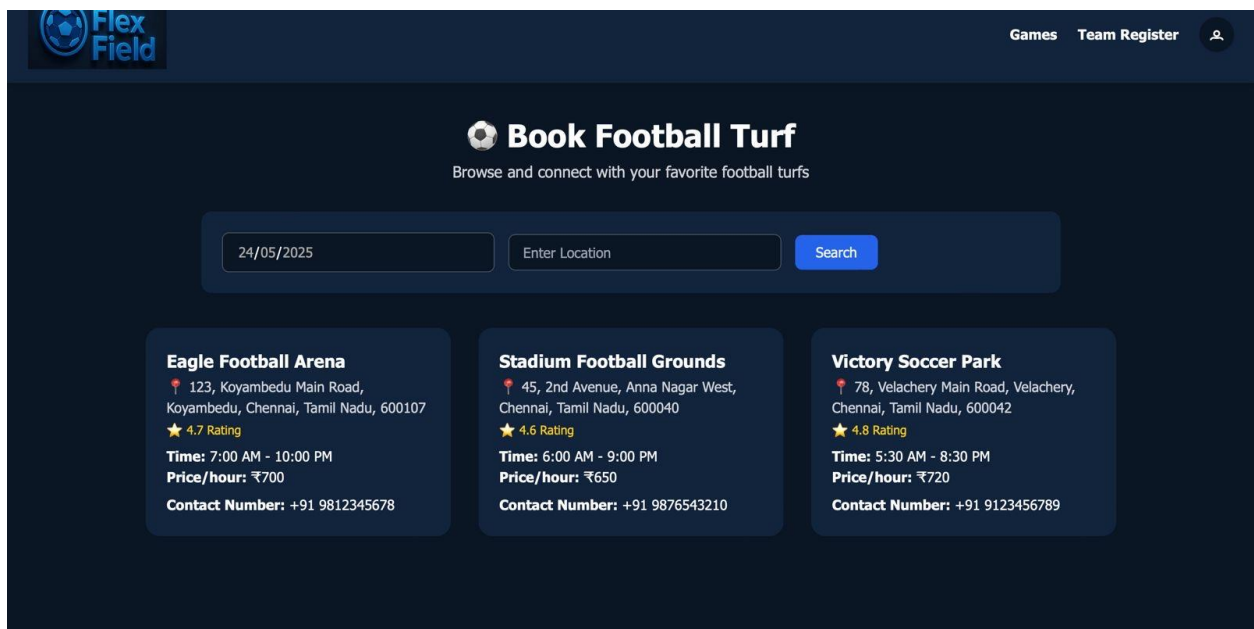


Figure 6.2

2.7 Player finder:

- The user is redirected to Player finder Page on clicking “Find a player” button in the games dashboard.

2.7.1 Cricket Player Finder

- A consistent header section should appear with the logo on top left and navigation links on top right.
- Users can search and connect with other available players.
- Cricket Players create profiles with Name, sport, Role, location and Phone.
- Team managers or other players can search by location, or Role of players.
- Profiles can be browsed and contacted directly.

(Cricket Player finder screen is shown in the Figure 6.1)

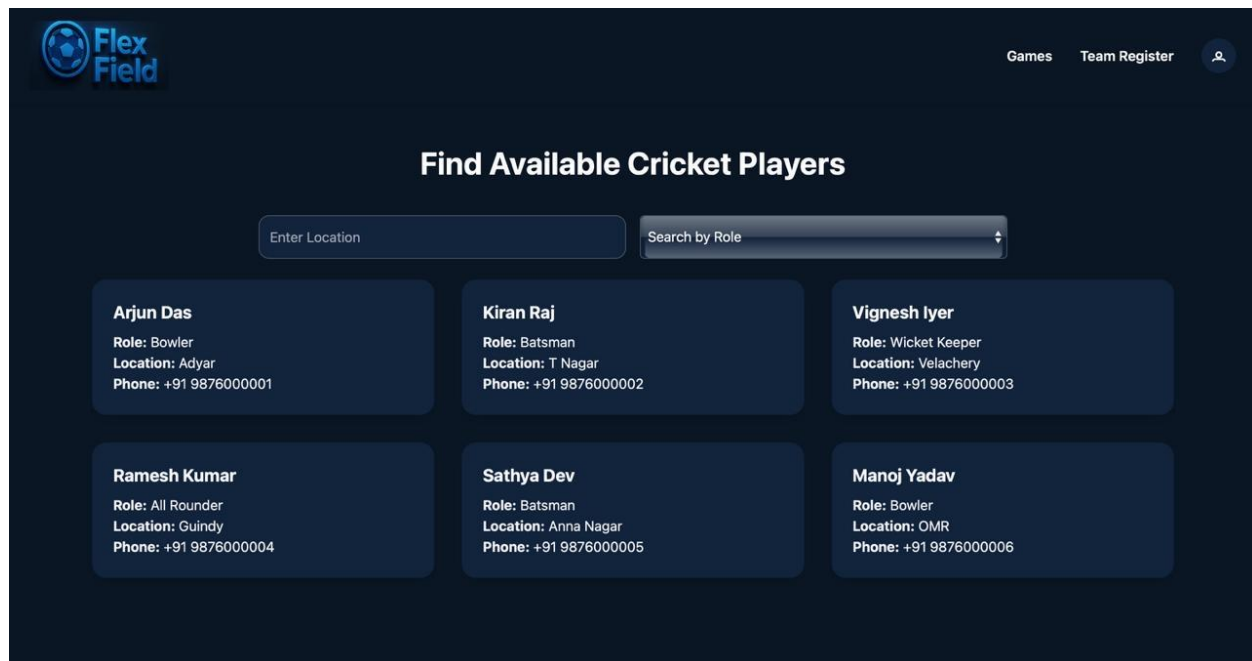


Figure 7.1

2.7.2 Football Player Finder

- A consistent header section should appear with logo on top left and navigation links on top right.
- Users can search and connect with other available players.
- Football Players create profiles with Name, sport, Role, location and Phone.
- Team managers or other players can search by location, or Role of players.
- Profiles can be browsed and contacted directly.

(Football Player finder screen is shown in the Figure 7.2)

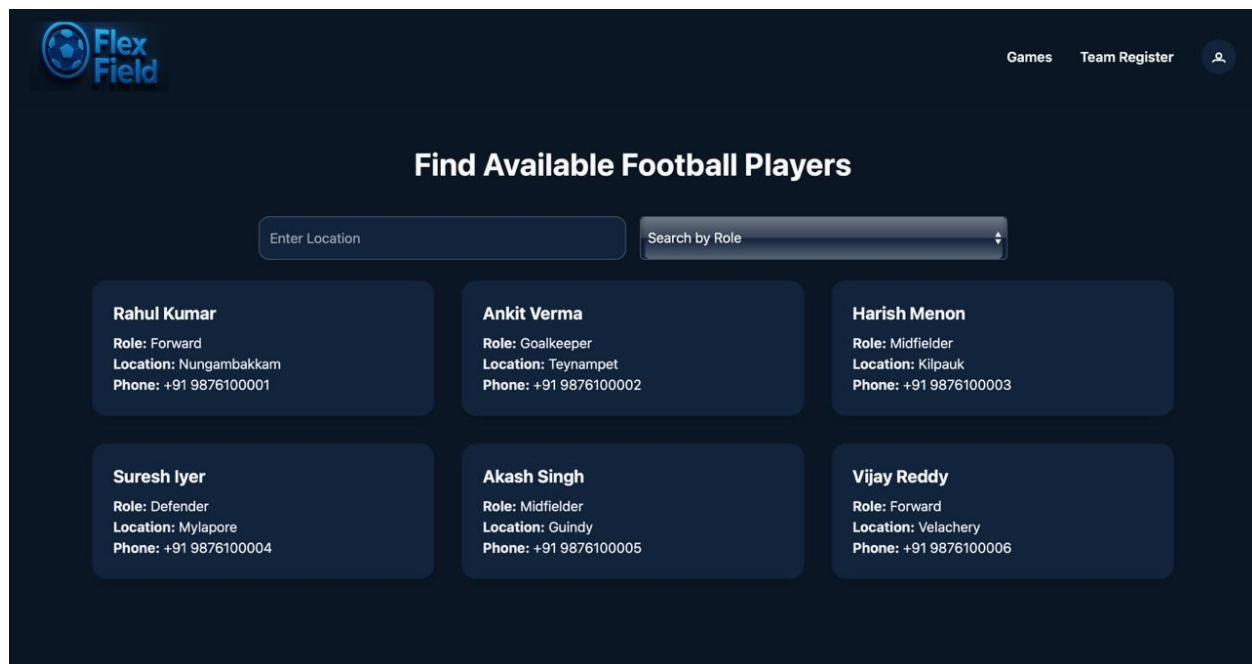


Figure 7.2

2.8 Team Finder Page

- The user is redirected to Team finder Page on clicking “Find a team” button in the games dashboard.

2.8.1 Cricket Team Finder

- A consistent header section should appear with logo on top left and navigation links on top right.
- This page display list of teams along with:
 - Team name
 - Location
 - Phone number
 - Email ID

(Cricket Team finder screen is shown in the Figure 8.1)

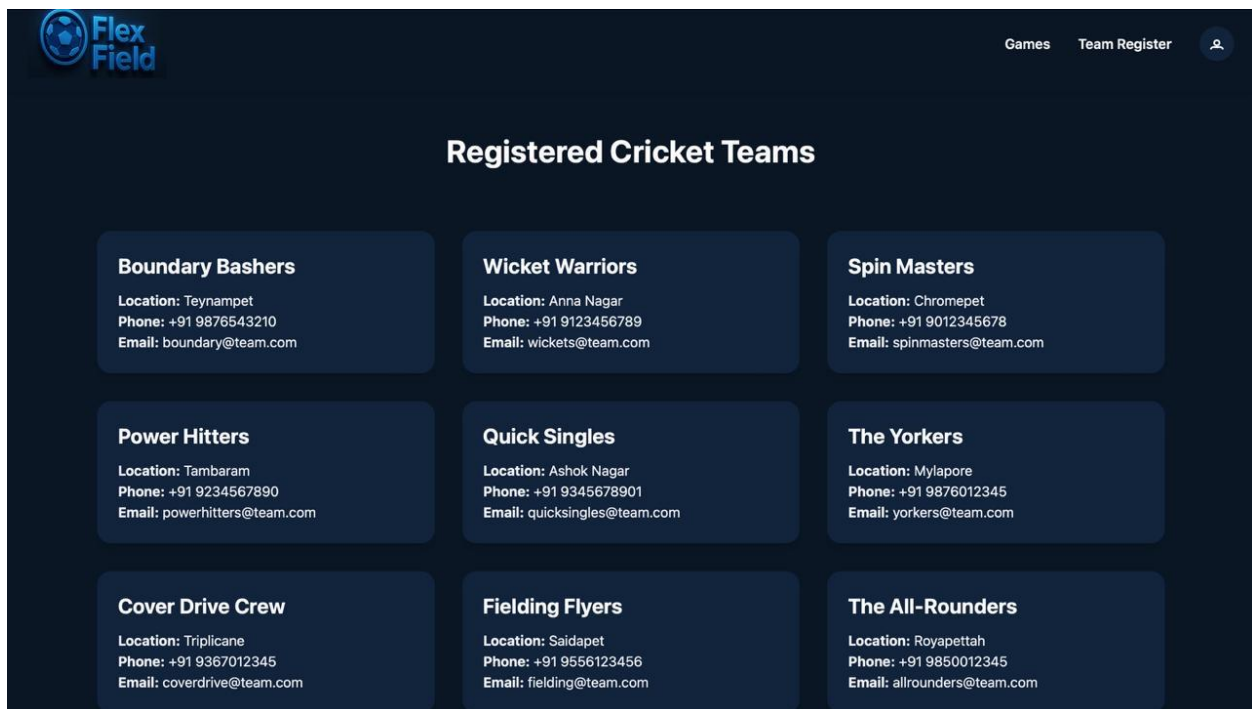


Figure 8.1

2.8.2 Football Team Finder

- A consistent header section should appear with logo on top left and navigation links on top right.
- This page display list of teams along with:
 - Team name
 - Sport type
 - Location
 - Phone number and Email ID

(Football Team finder screen is shown in the Figure 8.2)

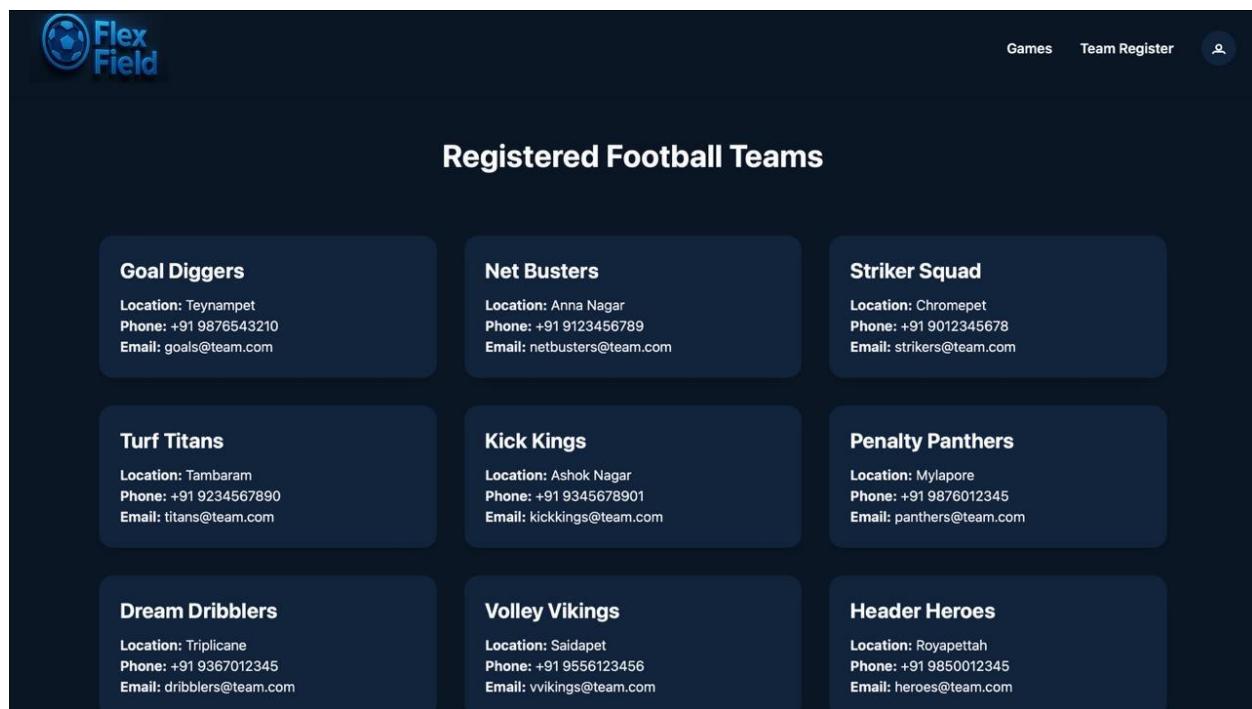



Figure 8.2


2.9 Tournament Viewing:

- The user is redirected to Tournament viewing Page on clicking “View Tournaments” button in the games dashboard.
- A consistent header section should appear with logo on top left and navigation links on top right.
- A dedicated section allows users to view ongoing and upcoming tournaments. This includes:
 - Sport Type
 - Date
 - Match Name
 - Venue

(Tournament screen is shown in the Figure 9.1)



GamesTeam Register



Upcoming Tournaments

Discover the latest sports events near you!

Cricket

June 5–10

Chennai Cricket Cup
📍 Marina Ground, Kamarajar Salai, Triplicane, Chennai, Tamil Nadu 600005
👤 TNCA

Football

June 12–15

OMR Football League
📍 OMR Turf Arena, Rajiv Gandhi Salai, Thoraipakkam, Chennai, Tamil Nadu 600097
👤 FlexField Sports

Cricket

June 18–22

Adyar Knockout
📍 Adyar Sports Complex, 6th Cross St, Indira Nagar, Adyar, Chennai, Tamil Nadu 600020
👤 Adyar Club

Football

June 25–28

Velachery Football Fest
📍 Turf Zone, 100 Feet Bypass Road, Velachery, Chennai, Tamil Nadu 600042
👤 VFC

Cricket

July 1–5

Guindy Showdown
📍 Guindy Stadium, Race Course Rd, Guindy, Chennai, Tamil Nadu 600032
👤 Guindy Council

Football

July 8–11

South Chennai League
📍 Siruseri Turf, SIPCOT IT Park Road, Siruseri, Chennai, Tamil Nadu 603103
👤 SCL Committee

Figure 9.1