

# **OPEN PLAY - A SPORTS VENUE MANAGEMENT APP**

## **PROJECT REPORT**

Submitted by

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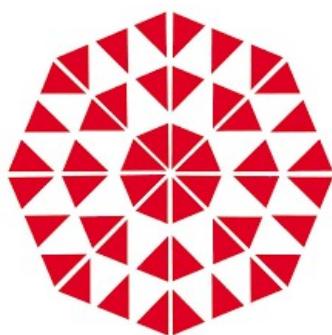
**to**

the APJ Abdul Kalam Technological University in partial fulfillment of the requirements

for the award of the Degree

**of**

*Master of Computer Applications*



**Department Of Management Studies & Computer Applications**

**KMCT College of Engineering**

**Kallanthode, NITC P.O, Kozhikode-673601**

**JUNE 2021**

## **DECLARATION**

I undersigned hereby declare that the project report "**OPEN PLAY - A SPORTS VENUE MANAGEMENT APP**", submitted for partial fulfillment of the requirements for the award of degree of Master of Computer Applications of the APJ Abdul Kalam Technological University, Kerala is a bonafide work done by me under supervision of **Mrs. Sabna T.S.** This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources. I also declare that I have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. I understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree.

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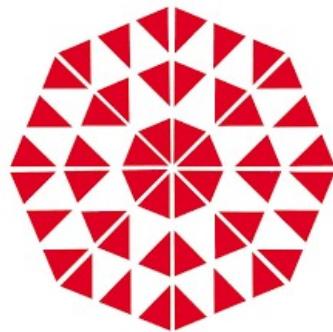
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**CERTIFICATE**

This is to certify that the report entitled "**OPEN PLAY - A SPORTS VENUE MANAGEMENT APP**" submitted by **FATHIMA THANI P.K (LKMC18MCA022)** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications is a bonafide record of the project work carried out by her under our guidance and supervision. This report in any form has not been submitted to any other University or Institute for any purpose.

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## **ABSTRACT**

The main aim of this project is to create an android application to help people or user to book sports events or tournaments without extra hustle in private stadiums or courts such as turf. By using this application user can see upcoming or latest tournament that are going to be held in court or stadiums.

Sports are generally liked by almost all the children whether girls or boys. It helps in maintaining the physical and mental fitness of the person and make more entertainment in between them. Building of stadiums or courts are increasing due to increase in demand of conducting tournaments in between children, elders etc. It is difficult to find a venue appropriate for user's interest. Seeking such venues manually can be difficult. This situation can be improved by implementing a new application known as "OPEN PLAY - a sports venue management app ". Open Play is on a mission to remove barriers to getting people active. This project is based on a turf that is Big soccer. Big soccer is a turf having two or more branch of courts or turfs in which one of the branch are situated in Thamarassery and another in Koduvally with different managers. They conduct both football and cricket sports venue in their courts or turfs. Admin is the owner of Bigsoccer turf, who handle multiple branch of turfs/courts. Owner can handle all details of his branches of court or turf. Admin allot different managers to his owned turf or court to handle turf details. Turf managers can create different tournament and can give a status to user. Using this information that are given by manager, user can easily book all court very easily and quickly.

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# **Chapter 1**

## **INTRODUCTION**

Any private stadiums or courts or turf playground is used to play various sports like football, rugby, tennis, cricket, etc. People enjoy playing sports events in the turf, it has a vibrant environment and very safe to play. Many school teams and clubs prefer turf or court playgrounds for practice and training purposes. Sometimes it becomes difficult to book turf playgrounds according to users wish. They may not get clear details about the courts or turfs whether they are booked or not without contacting turf manager. Open play sports venue application is a software that covers all aspects of running and managing an indoor or outdoor sports venue from a comprehensive member's solution to block bookings and can view all court details and upcoming tournament that are going to be conducted in different turf which are handled by different turf manager. Open play is a sport facility booking application which aim's to connect sports facilities to their users. It's aim is to become the hub for sports players of all types, whether it be casual players or normal players for an after-work game. The main aim of this project is to create a mobile application that are used to help people or user and book sports venues or tournaments without extra hustle in private stadiums or courts. Here, admin and manager has web application and public and user has android application. Any public member can become user of this android application. All functionalities of turf are controlled by proprietor or ground owner. The use of this

project is, to handle two or more turf or courts for a particular turf owned person/admin. Admin can handle all details of his owned court or turf such as he can suggest a manager for his turf to control, he can view the details of user etc.

## **1.1 General Background**

This project have a client with two or more branch of courts or turfs that is Big soccer turf. One of this branch are situated in Thamarassery and another are situated in Koduvally with different managers. They conduct both football and cricket sports events in their courts or turfs. Admin who have multiple branch of courts or turfs are difficulty in handling the details in existing system. Generally all booking of courts from user are taken by attending call. The court details will be get only after calling the court manager which are allotted by the admin. If court conducts any tournament, user will not get any information without informing details by court manager. This application is proposed for booking the turf easily and efficiently and can get details of tournament that are going to be conducted in different turfs or courts.

## **1.2 Objective**

Proposed system is accessed by four entities namely, Admin, Manager, User and Public. Admin is the owner of multiple branch of turfs or courts. Admin can keep track of all details about turf or court, manager, user in his web application. Registration of courts and managers are done by admin. Different courts or private stadiums or turfs are controlled by different turf managers, allotted by admin. This turf managers will create different tournament in their corresponding courts and registered users can view the details of tournaments that are going to be conducted and can request for tournament. Manager can also create tournament schedule based on tournament request that are given by the user. User can cre-

ate team by adding members to his team from outside and can participate in tournament according to schedule that are created by the turf manager. User can view winner list that are produced by turf manager and he can be edited if needed. Any public user can login to app after registering and view and book the court as their wish. User can get clear details about courts whether courts are booked or not. An automated update of booking status will be done at the time of user unavailability. User can view membership package that are created by admin and can request for membership to turf managers. User can view membership status that are given by corresponding manager. User can chat with other user if needed and can give ratings and reviews. Manager can enter booking amount as cash amount, expenses of the court that are generated in his court/turfs. Admin can get a clear booking reports of different courts or turfs. He will also get different tournament details that are participate in different court or turf with details of different team members. Admin will get ratings and reviews of his different courts which are given by the user. Admin can also view the monthly income which include cash, expense, membership and tournament details. The main advantage of these proposed system is turf booking can be done just by sitting at home. It will saves time that is availability of all turf details at a single platform. And easy to access the system anywhere and anytime. Admin can easily get the reports which are given by the different court managers. Managers can easily add details in his application and user can easily book the court and view the upcoming tournament details that are going to held in different court.

# **Chapter 2**

## **SYSTEM ANALYSIS**

### **2.1 Existing system**

Currently, there are more than a dozen of new stadiums or courts have been built within the State due to increase in playing various sports like football, tennis, cricket etc. People enjoy playing on the turf and it is very safe to play. Almost all of the children whether girls or boys are like to play various sports in courts or turfs, private playgrounds. Any type of sport is deeply connected with the physical, physiological, mental and it helps in maintaining the physical and mental fitness of the person. It also improves the psychological skills of the person playing. It brings motivation, courage, discipline and concentration. The players or the coordinators of matches find it difficult to find a sport venue appropriate for their interest at time. Seeking such venues manually can be a difficulty and try to improve this situation by implementing a new application known as Open Play - a sports venue management app.

Big soccer as existing system , mostly all of details are tracked manually by administrator such as booking, tournament creation details etc. Admin needs to look after all of his turfs or courts branches. In current situation, admin appoint manager to each of his multiple branch of courts or turfs. This managers will look out all details of booking from

users. They will look out the availability of all facilities of turfs and sometimes may create tournament. This all details are managed by manager. Mostly some turfs may provide both football and cricket as outdoor sports events. Both this sports item that is, football and cricket are conducting for 1 hour time slot. The booking will be done for this vacant time slot. Mostly all booking system are done by calling the ground manager to get court for playing. Different prices or payments are there for night and day time. Usually night get extra charge due to extra light and other facilities. Mainly two categories are there for team members for football. One is 5's and other is 7's. The rate also vary according to number of team members. During night 5's have rate Rs 1000 and 7's have rate Rs 1500 and starts from 7PM. During day time 5's have Rs 600 and 7's have rate Rs 1200 and starts from 6AM till 7PM. There may have some break in between this time schedule and this will maintain by allotting time by manager. Normally break time starts from 2:00PM to 3:00PM at noon time and 8:45PM to 9:30PM at night time. But this may vary according to situation. Sometimes court will be booked for full day tournament by football or cricket users. Full day tournament will last for next day 6AM. If full day tournament are conducting at night, 7's have Rs 3000 and 5's have Rs 2000. If it is in day time then 7's have Rs 2000 and 5's as Rs 1000. First and second position winners get an amount as prize. Tournament also conduct for younger people and their fee's is upto 500. First prize for elders is Rs 10000 and second is Rs 5000. First prize for younger is Rs 4000 and second is Rs 2000. All this rate may vary according to situation. In case of cricket, it may go to maximum 20 members, 10 members in each team. The rate may be similar to that of football full day and night rates. This rates may vary for both children / students and elders. Court is provided only day time for children. During day time 5's have Rs 250 and 7's have Rs 500. The closing time of turf may vary according to the tournament situation. Mostly all of these details are managed by manager. This may become more complicated to handle all tournament and booking details of different branch of courts or turfs. User need to contact the turf manager

to check out whether court are free or not. If user need to book a court , he needs to visit court to check it out. Sometimes they may not get appropriate time slot of court or turf as their wish due to unavailability of turf manager.

The drawback of existing system is that a ground owner or proprietor or admin who have more than one branch of turf cannot maintain details and cannot handle the entire system. Sometimes manager may feel difficult to handle all details that are done as currently. To admin and managers it may find difficult to track the booking system details when needed. User will not get any details about any upcoming tournament that are conducting by the court or turf. So, to overcome all off this situation, introduce a proposed system - Open Play. The use of this project is, to handle two or more turf or courts for a particular turf owned person/admin/ proprietor. Admin can handle all details of his owned court or turf such as he can suggest a manager for his turf to control, he can view the details of user etc.

## **2.2 Proposed system**

The Open Play - a sports venue management application are used to create a mobile application to help people or user seamlessly browse and book sports venues or tournaments without extra hustle in private stadiums or courts. The main objective of this turf booking application is to manage the activity of Turf. This application can be used by the Cricket and Football enthusiastic players to book the available turf according to their need. It is a Venture which helps the cricket and football players(Users) and the turf mangers to experience comprehensive online platform for Book-Build-Manage the turf. This application is proposed for booking the turf in an easy and efficient way and they can see upcoming tournament details. The main use of this project is, to handle two or more turf or courts for a particular turf owned person/admin/proprietor.

Mainly it includes 4 entities - Admin/proprietor of the ground or court, Managers, Users and a public. Admin and Manager have web application and user or customer and public have android application.

Admin is the ground owner and can control overall functionalities of web. Here, different courts or private stadiums or turf are controlled by different turf manager, which are allotted by admin. All of registered court/turf may conduct different tournaments for users. Admin can view all of the details which are performed in each court and can also get reports about all courts. Following are the Functionalities of admin:

### **Court Registration**

Admin can register court, which are owned by him. Registration of court include court name, place, district, description, square feet and photo. Each court have a registered manager that are allotted by the admin. Validations are given to each field. Admin can view registered court details by searching court name. He can view court name, photo, place, district, average rating of the court which are given by the user. Average rating can

be calculated by sum of rating by total number of rating of a court. Admin can edit and delete the court if needed. He can view large size of court image. Along with edit and delete button, a rating and reviews button are also there. By clicking this button, admin can view rating and reviews of the court given by the user, which includes user information like name, email, phone number, court name, ratings, reviews and date given by the user. Admin can view ratings and reviews details by selecting from and to date as he wish.

### **Manager Registration**

Admin can register manager to different branch of court or turf. Manager registration include name, place, district, date of birth, email, court name, pincode, photo etc. Validations are given to each field. Admin can view manager details by searching manager name and he can delete and update manager details if needed. He can view large size of manager image.

### **View User**

Admin can view registered user details by searching username. User information include user image, name, place, district, date of birth, gender, phone number and email. Admin can view large size of user image when he clicks on image.

### **View Complaint**

Admin can view complaint given by the user and can send reply to corresponding complaint. Admin can select from and to date for viewing complaint in between specified date. This page include username, email, phone number, complaint, date and status and a reply button for sending reply to corresponding complaint. Status will change from pending to replied, when he gave reply to corresponding complaint. Status pending complaint details will be viewed at the top of the list and reply button will be replace by reply message that are given by the admin to corresponding complaint. Reply page include a text field for typing reply to corresponding complaint.

## **Reports**

Admin can view court booking and monthly income of the court. Court booking report contains details of user such as photo, username, email, phone number, date that they have booked along with time slot and type of booking. This can be viewed by selecting date and court name. Time slot are displayed by ascending order. He can view monthly income of tournament, cash, membership and expense of court given by the manager of specified court by selecting the year. This page include other details such as court name, manager name, month and total amount as income. Income can be calculated as follows:

$$\text{Monthly income} = \text{Cash} + \text{Tournament} + \text{Membership} - \text{Expense}$$

where,

Cash means cash amount of the booking that are done by the user.

Tournament means total amount of tournament that are collected by court manager.

Membership means total membership amount that are collected by the manager.

Expense means total expense amount of the court. Expense include all type of maintenance that have done in the court.

## **Tournament details**

Admin can view tournament details by selecting the court name. Then he can view tournament team and corresponding team members along with their details such as team name, logo, description, members name, place, district and phone number. Tournament details include tournament name, starting date, tournament type, ground fee, first prize and second prize.

## **Membership**

Admin can add membership package which include amount of package, that are held in his owned courts. He can edit the selected package if needed. Admin can view membership package that are added by him and can delete if needed.

## **Change password**

Admin can change password if needed by entering current, new, and confirm password that are going to be change.

Different courts or private stadiums or turf are controlled by different turf manager, which are allotted by admin. After registration of manager that are done by admin, manager can enter into his homepage by entering email and password. Manager performs following functionalities :

## **View profile**

Registered managers can view his profile and can edit his profile if needed. He can view his personal details such as name, house name, place, district, pincode, date of birth, phone number, photo, email and court name that are allotted by the admin. He can edit all fields except email and court name.

## **Membership**

Manager can view the user request for membership along with user details such as name, email, phone number, photo, valid to, valid from, amount. He can accept and reject the users request for membership. Manager can also view accepted and rejected membership by selecting from and to date. In accepted membership page, manager can get a total amount of membership that are given by the user.

## **Court request**

Manager can view accepted court request of user and can reject if needed. He can view the user details such as username, date, type, time slot, by selecting a date.

## **Tournament**

Manager can create different tournament for sports type that is football and cricket. He needs to enter tournament name, starting date, type of tournament that is football or cricket, ground fee, first and second prize and then click on submit button. Manager can view tournament by searching tournament name and can see the tournament details such as

tournament name, starting date, ground free, first and second prize. He can edit, delete the tournament and can view the tournament request corresponding to tournament which are given by the user. Manager can give status to user whether tournament request is accepted or rejected. Tournament request page include the user details such as username, email, phone number, team name and requested date.

### **Tournament schedule**

Manager can schedule the team by selecting tournament name, team names, round and enter time and date of team that they needs to play. When a team is selected in team A field, that team will not be viewed in team B field. Manager can view tournament schedule and can delete if needed. He can view schedule by selecting tournament name and round. He can add a winner team by selecting a winner in between 2 teams. Tournament schedule include the details such as date, time, teamname A, teamname B and winner if added by manager. This winner teams will be listed to round 2 and manager can schedule for round 2 and so on. Final winners can be added as first and second position. Add winners button will be enabled only when scheduled time and date comes through. Other wise, button will be disabled for adding winners. Status will be pending until winners were added by court manager. Manager can view winner list by selecting tournament name and round. This page include team name, logo, position and can delete if needed.

### **Cash entry**

Manager can view accepted court booking by today's date and can enter cash amount of user. After entering the cash amount, button will be replaced by status 'paid'. Accepted court booking page can be viewed by searching username and this page include username, email, phonenum, timeslot, date and type of booking. Manager can view cash entry by selecting from and to date and can delete if needed. A total amount will be displayed by calculating the booking amount.

## **Expense entry**

Manager can add daily expense of corresponding court by selecting type of expense, and entering the expense amount and its narration. Expense type include buying football, cricket items, cleaning, turf maintenance etc. He can view expense details such as type of expense, amount, narration and date by selecting the from and to date. A total amount can be displayed by calculating the expense amount. Manager can edit and delete the expense details.

## **Change password**

Manager can change password if needed by entering current, new and confirm password that are going to be change.

Registered court details can be viewed by a public user and can login to application after registration had finished. User need to enter personal data at the time of registration such as user name, house name, place, district, pincode, date of birth, phone number, image, email, password and confirm password. Public user can view the court details such as court name, image, place, square feet, district and average ratings which are given by other user. Registered user can enter email and password and can enter into home page and can perform functionalities such as:

## **Profile**

Registered user can view profile and can edit the details such as name, house name, image, place, district, pincode, date of birth, phone number if needed.

## **Membership and court booking**

User can view the all registered court details such as name, place, description, square feet and image, which are done by the admin and can send a request for membership and court booking. User can search court name and perform the above actions. When user click the membership button, he can view and select a membership package and can send a request for membership in a court to court manager. He can select a valid from date and

valid to date will automatically change according to package. Valid to date can be seen as disabled. He can also book a court by clicking the booking button and user can select a type , select a date and can view available slot in a court and can book the slot. Before booking the court, he wants to agree the terms and condition. If booking is canceled, he needs to pay compensation to admin by another payment method like google pay,phone pe etc. User can view the ratings and reviews given by the other user about the corresponding court. Unavailable message will be displayed when the court is not available at the time of tournament.

### **Membership status**

User can search the court name and can view the membership status details such as court name, valid to, valid from, status and amount of membership package. Status are given by the court manager whether the request is accepted or rejected.

### **Court booking status**

User can search the court name and can view the court booking status details such as court name, date, timeslot, image and status. Status are given by the court manager whether the request is accepted or rejected. User can give ratings and reviews according to the court.

### **Complaint**

User can view the all reply and can add complaint to the corresponding court and can view reply of complaint given by the admin. Latest complaint are viewed at the top of the list. This page include the details such as date, complaint and reply.

### **Team and team members**

User can view the created team which includes name of the team, image, description and can add team if needed. For adding the team, user can click on plus button that is floating action button on the bottom-left of the page and can enter team name, description and image. When a user click on each team while viewing the team details, an alert dialog box will appear which includes the functions such as edit team, delete team, team members

and cancel. User can edit or delete the team if needed. Viewing of team contains a searching with team name. User can add team members to corresponding team by entering member name, place, district, photo and phone number. When user click team member in dialog box, next page will be viewing the team members which include the details of members such name, place, district, photo and phone number. Here a searching is available based on member name. User can edit and delete the team member if needed.

### **Tournament**

User can search a court by entering a court name and can view the details of tournaments that are going to be conducted in corresponding court and can click on request button and can participate in it with selecting a created team by the user. User can view the tournament name, court name, starting date, tournament type, ground fee, first and second prize. User can view the winners of the corresponding tournament.

### **Tournament status**

User can search the tournament name and can view the tournament status details such as tournament name, court name, team name, requested date and status. Status are given by the court manager whether the request is accepted or rejected. Tournament requested user can view the tournament schedule which are given by the court manager. Managers will create schedule according to users request for playing the tournament.

### **Chat**

User can chat with other user if needed. User can view the registered users name and email and can send a message to corresponding user if needed.

### **Forgot password**

User can get forgot password from mail by typing the current email address in text field of forgot password page and can easily access the app.

The main advantage of these proposed system is turf booking can be done just by sitting at home. It will save time that is availability of all turf details at a single platform.

And easy to access the system anywhere and anytime. Admin can easily get the reports which are given by the different court managers. Managers can easily add details in his application and user can easily book and view the upcoming tournament details that are going to be held in different court.

## **2.3 Module Description**

### **2.3.1 User**

User can register and login to the android application to perform different activities. User can view his profile and if he needs any update in his profile, he can perform it. He can view the membership package and request for membership for any court if needed and approval are done by the manager of the corresponding court. User can view and search for courts according to his wish and can book the needed court and view the status or allocation given by corresponding manager whether it is rejected. Court approval are done automatically. User can book a court by selecting a date and available slot. He needs to agree terms and condition. If a user select a tournament day's date then an unavailable message will be display that he cannot book a slot on that day. He can send complaint about court to admin and can view reply given by the admin. He can also give reviews and ratings to court that he where chose. He can chat with other user if needed. He can add or create team by different members from outside that are not members or users of the court. He can view tournament created by the manager and can request for the tournament if he interested whether it is football or cricket. He , then can view the tournament scheduling which are scheduled by manager of the corresponding court. Finally, can view the winner list of tournament which are listed by manager. Here user use android application.

### **2.3.2 Manager**

Different court have different manager which are allotted by admin/proprietor/court owner. Each court are managed by allotted manager. Manager use web application to perform different activities. Registration of manager are done by the admin. The registered manager can enter into his homepage by entering username and password. He can view court booing

and can reject the request if needed. He can view the requested users for membership and can give approval to it. Manager can create tournament and can share with membership users. He can view created tournament and can be updated if needed. Then he can view request for playing tournament and can given approval to it and after that he can schedule the tournament with accepted team. He can also view and update tournament schedule if necessary. He can add daily expense and cash details of accepted court booking and can view the cash and expense total amount. He can also create winner list after conducting the tournament and can view and can share with the users.

### **2.3.3 Admin**

Admin can login into his web application after entering his username and password. Admin control the overall functionalities. Here admin means the ground or court(eg:turf) owner who allot managers to his multiple courts or turfs. He can register different manager to his different courts. He can view managers details. He can view the registered users details in his application. He can also register different courts and can view and update courts details. He can add membership package. He can view ratings and reviews given by the user related to courts. He can also view complaint given by the user to corresponding court and can give reply to corresponding users. He can view monthly reports of booking of courts or turfs which are booked by the user, tournament, expense and cash report of the court which are added by the corresponding manager of the court. Expense include some of maintenance type of the court if any. He can also view the tournament details that are conducted by court managers in different courts. He may get a clear idea about team members who are participate in tournament that are created by the court manager by viewing their status.

#### **2.3.4 Public**

Public can view all registered court details and their facilities which are given by the admin.

Court details include location of court, square feet of the courts etc . This public member will become a user when he registers in the android application.

## **2.4 Feasibility Study**

Feasibility is a test of system according to workability, impact on organization ability to meet user needs, and effective use of resources. An estimate is made whether the identified user may be satisfied using current software and hardware technologies. The effective from the business point of view and if it can be developed in the given existing budgetary constraints. Generally, feasibility studies precede technical development and project implementation. Feasibility study produce the overall details about a project, their importance in different fields. The three essential aspects of are involved in feasibility study promotions of the preliminary investigations technical, economic and operational feasibility.

### **2.4.1 Operational Feasibility**

Operational feasibility examine how a project plan satisfies the requirements identified in the requirements analysis phase of system development. It helps in taking advantage of the opportunities and fulfills the requirements as identified during the development of the project. The purpose of the operational feasibility study is to determine whether the new system will be used if it is developed and implemented from users that will undermine the possible application benefits. The new system or project can be used in our day to day life which become more user friendly for users that they can easily access and book the court using this android application which are provided to them. Admin can easily allot different managers to his different branch of court. Admin can also manage his multiple branches of court using his web application. This system are very useful to user to get upcoming tournament details and booking of the court. Managers of different court will handle the functionalities of his court. Managers and user can easily interact with each other. This project can easily operate by admin, manager and user because there is no need of additional training for them. This project is operationally feasible.

### **2.4.2 Technical Feasibility**

Technical feasibility study deals with the hardware and software and technology which are required to accomplish the user requirements in the system within the allocated time and budget. This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. It is concerned with the existing computer system and to what extent it can support the proposed system. The proposed system requires python and android platform only which are open source. Due to open source of languages it may not become difficult to maintain and developing of this system. The system can also be easily upgraded to the higher level with less effort and maintenance. This application is easily used with their smartphone from anywhere and user friendly. Hence the proposed work is technical feasible. User can easily access and book the court by their smart phones, no need of any other heavy requirements.

### **2.4.3 Economic Feasibility**

This assessment typically involves a cost/ benefits analysis of the project, helping organizations determine the viability, cost, and benefits associated with a project before financial resources are allocated. In the fast paced world today there is a great need of online social networking facilities. Thus the benefits of this project in the current scenario make it economically feasible. The purpose of the economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. It includes quantification and identification of all the benefits expected. Admin and manager uses web application for login. So to host the site, it needs cost for it. If admin or manager do not have system they need to spend some money for it. But by spending it, they may get more benefit from it that is, they can easily get booking of courts or turfs from users. This system may provide easy access in economic condition for developer as well as user. This

system may provide benefit to user by they can easily book the court and can get details about upcoming tournament from court manager which are allotted by admin. User can use android smartphones to book the court. Any user can use this system who have smartphone with android version 7.0 and above. So, this project is economically feasible.

## **2.5 System environment**

### **2.5.1 Developer Requirement**

#### **2.5.1.1 Hardware requirement**

- Processor : Intel Core i3 and above
- RAM : 8GB
- Storage : 500GB Hard disk

#### **2.5.1.2 Software requirement**

- Operating system : Windows 10
- Front end : Python, Java
- Back end : Mysql
- IDE : Android studio, Jetbrains Pycharm
- Web browser : Internet Explorer/Google chrome/Firefox

### **2.5.2 User requirement**

- An android smartphone : Version 7.0 and above
- Any Computer or laptop.

## **2.6 Actors and their Roles**

### **2.6.1 Admin**

Admin controls the entire details of Open Play- a sports venue management application. Admin uses web application to login to the system. He can register different managers to his different branch of court. He can also register multiple branches of courts and can view registered users, courts and managers. Admin can view complaint, rating and reviews given by user according to the court and can give reply. He can also view the reports of booking details and details about tournament and tournament team. He can view monthly income of cash, expense, membership and tournament. He can add membership package details which can be seen by all registered user.

- Login
- Court registration
- View courts
- View rating and reviews of the court
- Manager registration
- View manager
- View user
- View complaint and give reply
- View court booking details
- View monthly income report
- View tournament details

- View tournament teams
- View team members
- Add and view membership package details

## **2.6.2 Manager**

Different courts have different managers which are allotted by the admin. Manager can handle all of his court functionalities by his web application. He can view and update his profile. He can view the request for court and membership given by the user and give any status whether it is approval or reject. Manager can create tournament in his court and can view request for playing tournament by user and he can accept or reject it. After that he can schedule the tournament and can create winner list. He can add cash and expense details of the court. He can view winner list those who are participate in tournament created by the user.

- Login
- Manage profile
- View request for court and its allocation
- View membership of user and its approval
- View accepted membership
- View rejected membership request
- Tournament creation
- View tournament creation and update
- View request for playing tournament

- Tournament scheduling
- View tournament scheduling and update
- Add cash entry and expense entry
- View cash and expense entry report
- Winner list creation
- View winner list creation

### **2.6.3 User**

User can register and login to the android application. User can manage his profile. He can give request for court booking and membership to corresponding court manager and can view the status. User can give complaint, rating and reviews and can view reply for complaint given by the admin. He can chat with other user if needed. He can create a team by members from outside and can join to a tournament which are conducted in the court. He can view the tournament and request for tournament and can view the status and winner list given by the court manager.

- Registration
- Login
- View and update profile
- Request for membership
- Search for court
- Court booking and view status
- Send complaint

- View reply
- Add reviews and ratings
- Create team
- View created team and update
- View Tournament
- Request for tournament
- View tournament scheduling
- Chat with other user
- View winner list

#### **2.6.4 Public**

Public can view all registered court details and their facilities which are given by the admin. Court details include location of court, square feet of the courts etc . This public member will become a user when the register to android application.

- View courts and its facilities

# **Chapter 3**

# **METHODOLOGY**

## **3.1 Introduction**

Agile methodology is followed in this project. Agile software development comprises various approaches to software development under which requirements and solutions evolve through the collaborative effort of self organizing and cross-sectional teams and their customers/end users. It advocates adaptive planning, evolutionary development, early delivery and continuous improvement and it encourage rapid and flexible response to change.

## 3.2 UML Diagrams

### 3.2.1 Class Diagram

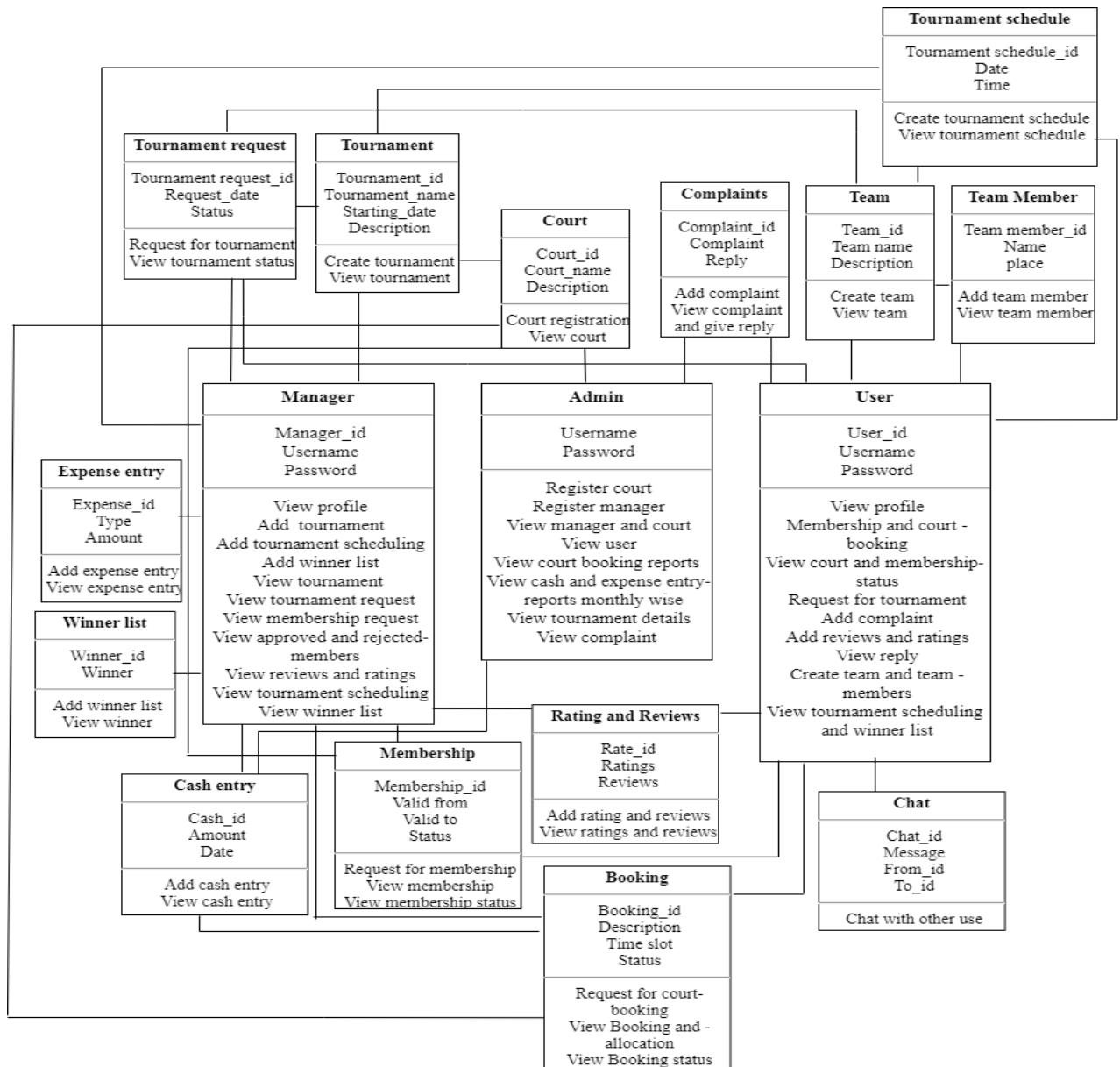


Figure 3.1: Class diagram

### 3.2.2 Usecase Diagram

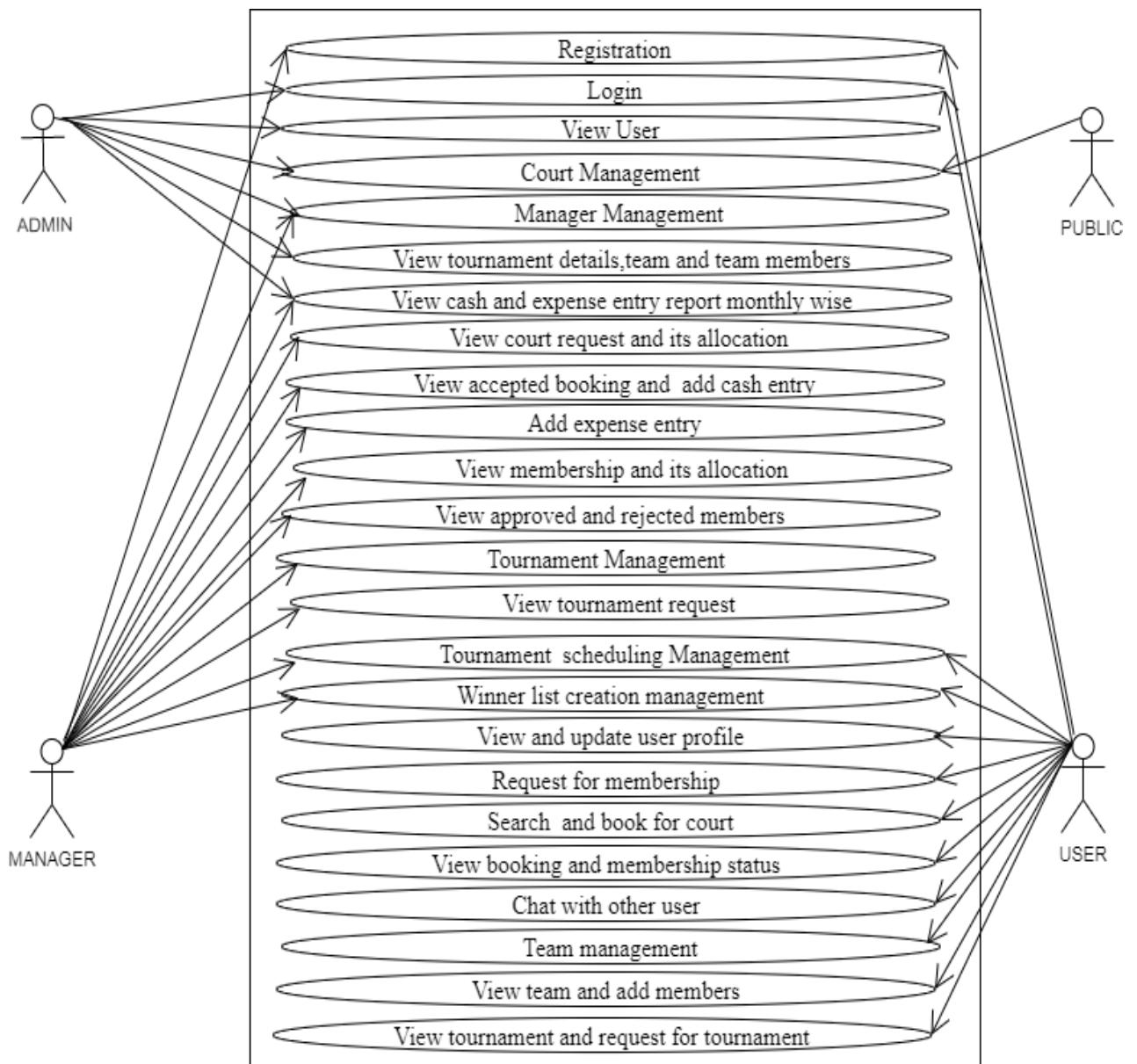


Figure 3.2: Usecase diagram

### 3.2.3 Activity Diagram

Admin can register and view court and manager. He can also view user and user's complaints about court and give reply. He can view ratings and reviews about court. Admin can view court booking reports, tournament details, team and team members. He can also view monthly income of court booking, tournament, membership and expense of court. He can add membership package details that can view by the user while giving request for the membership.

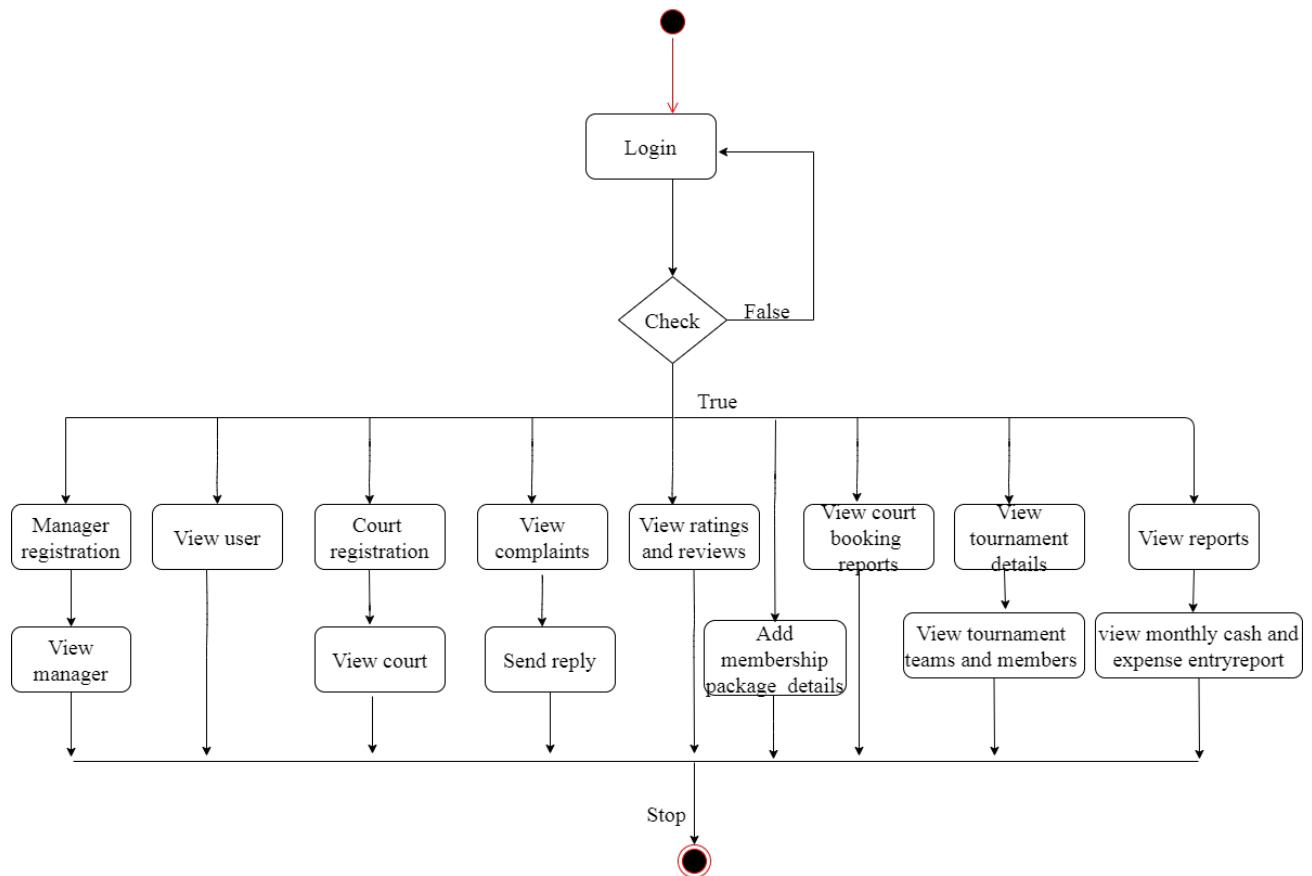


Figure 3.3: Activity diagram 1-Admin

Manager can view and edit his profile. He can view court request from user and can reject if needed. He can view accepted booking and can enter cash according to booking. He can also add and view expense report of the court which can view by the admin to get details or reports about the court. He can view ratings and reviews. He can view membership of users and can give any status whether approve or reject and can view rejected and approved members details. He can create and view tournament, tournament schedule, winner list.

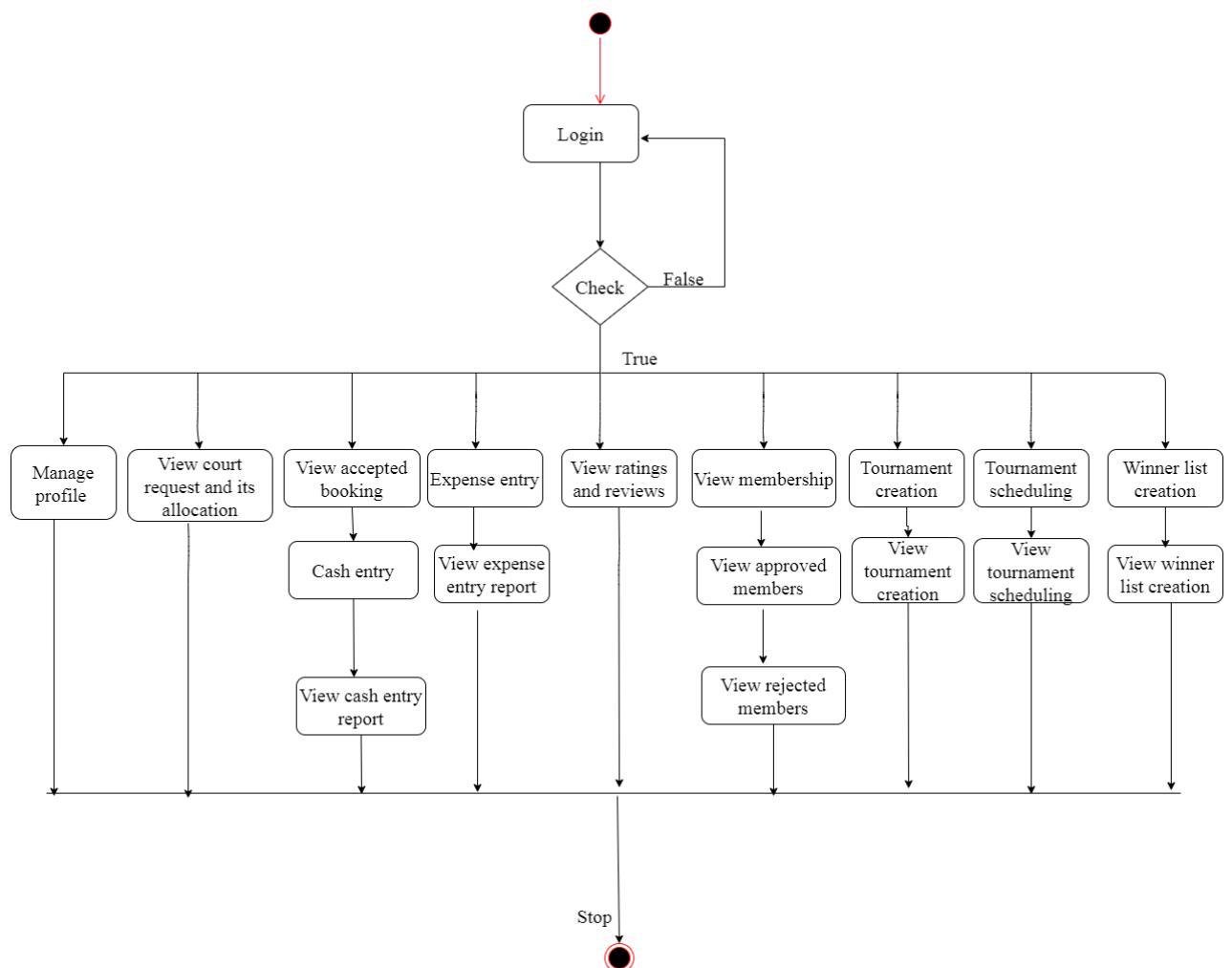


Figure 3.4: Activity diagram 2-Manager

User can register and enter into his homepage. He can view and edit his profile. He can request for membership ,court and for tournament. He can give ratings and reviews and can add complaint and view reply. He can create team and team members. User can chat with other user. He can view tournament schedule and winner list.

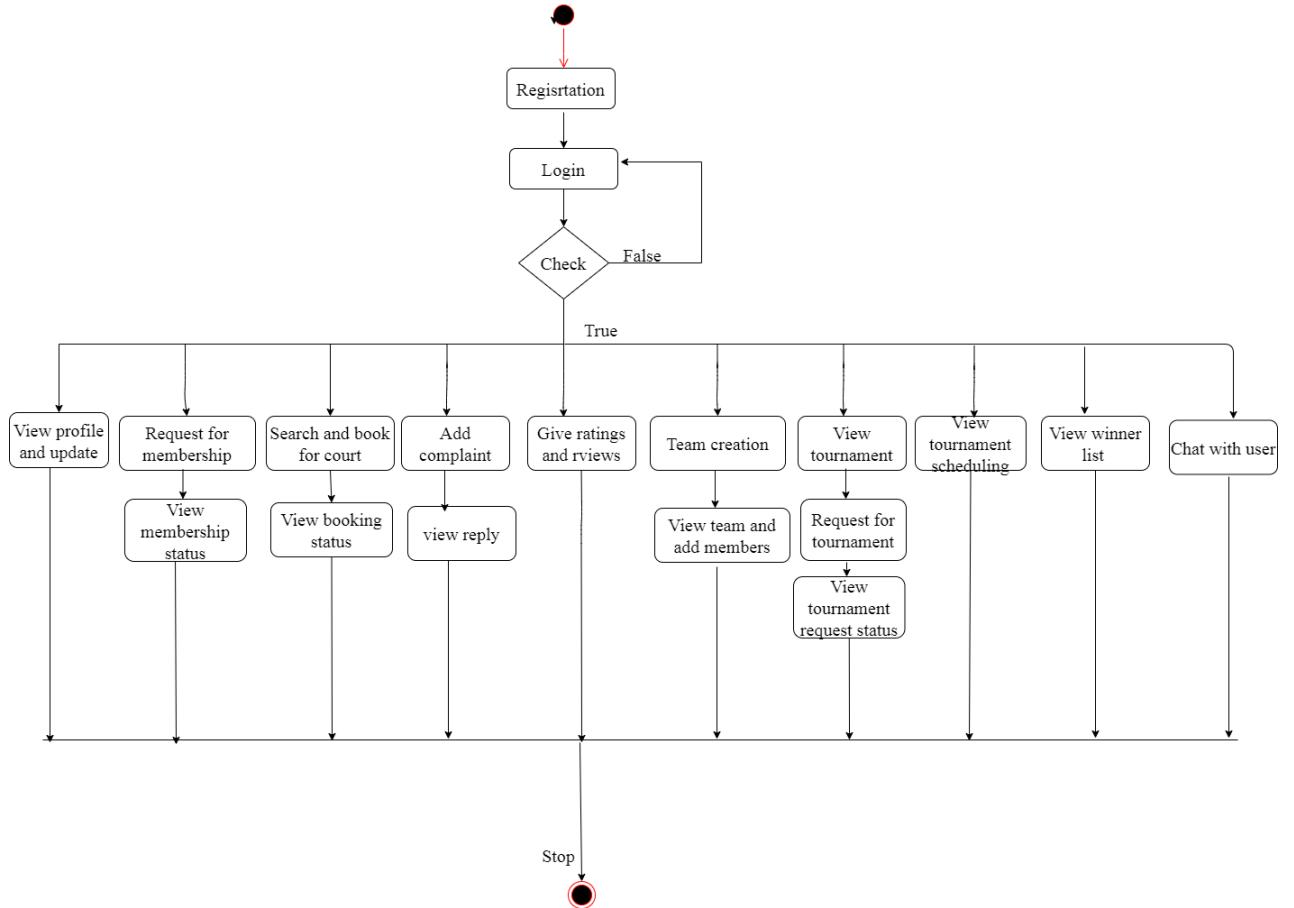


Figure 3.5: Activity diagram 3-User

### 3.3 User story

User Story ID	As a < type of user >	I want to <perform some task >	So I can <achieve some goal>
1	Admin /Manager /User	Create Home page	View all the links and navigate to other pages in the system.
2	Admin	Register the Court	Can register new Court.
3	Admin	View Courts	View and edit details of Court.
4	Admin	Register the Manager	Can register new Manager to the court.
5	Admin	View Manager	View and edit details of Manager.
6	Manager	Manage profile	Manager can manage his profile.
7	Manager	Tournament creation	Create tournament in different court.
8	Manager	View tournament creation	View tournament creation and can done any updation if needed.
9	User	Register done by user	Registration of user.
10	Admin	View User	View details of registered User.
11	User	View profile and update profile	Manage his profile.

User Story ID	As a <type of user >	I want to <perform some task >	So I can <achieve some goal>
12	User	Request for membership	Can send request for membership to Manager.
13	Manager	View membership	Can view request of membership by user and can give approval .
14	Manager	View approved and rejected membership	Can view approved and rejected membership of the user .
15	User	Search and book for court	View details of court and book for court.
16	Manager	View court booking and its allocation	View the request for court given by the user and add its allocation.
17	User	View booking and membership status	View court booking and membership status given by court manager.
18	Admin	Add and View membership package	Can add and view membership package.
19	User	Send complaint	Can send complaint to Admin.
20	Admin	View complaint and give reply	Can View complaint given by user and can post reply to user.

User Story ID	As a <type of user >	I want to <perform some task >	So I can <achieve some goal>
21	User	View reply	Can view reply given by Admin.
22	User	Create team and add team members	Can create team for playing and add team members.
23	User	View created team and team members	View created team and team members for playing.
24	User	View and request for tournament	View and request for tournament create by different court manager.
25	Manager	View tournament request	View tournament request and give status for playing.
26	User	View tournament request status	View tournament request status given by the manager .
27	Manager	Tournament scheduling	Schedule different time slot for tournament .
28	Manager	View tournament scheduling	View different schedule time slot for tournament and can update.
29	User	View tournament scheduling	View tournament schedule given by court manager.

User Story ID	As a <type of user>	I want to <perform some task>	So I can <achieve some goal>
30	Admin	View court booking reports	View court booking reports which are done by the user.
31	Admin	View tournament details	View details of tournament which are conducted in different courts.
32	Admin	View team and team members	View team and team members those who participate in court tournament.
33	Manager	View accepted booking and add cash entry	View accepted booking done by user and add cash entry.
34	Manager	View cash entry	View cash entry details by manager.
35	Manager	Add expense entry	Add expense of the court.
36	Manager	View expense entry	View expense entry details by manager.
37	Admin	View month wise report	View month wise of the court.
38	Manager	Winner list Creation	Winner list creation of tournament.
39	User/Manager	View winner list	Can view winner list.

User Story ID	As a <type of user >	I want to <perform some task >	So I can <achieve some goal>
40	User	Add reviews and ratings	Can add reviews and ratings based on court.
41	Admin	View reviews and ratings	Can view reviews and ratings based on court given by user.
42	User	Chat with other user	User can chat with other user.
43	Admin /User /Manager	Login to the corresponding account	Can login to the Web and android application to access the system.
44	Public	View court	View all registered court.
45	User	Forgot password	Can get password, if password were forgot.
46	Admin /Manager	Change password	Can change password.

Table 3.1: User Story

### 3.4 Product Backlog

User story id	Priority	Size	Sprint	Status	Release date	Release goal
1	Medium	9	1	Completed	29/03/2021	Admin, Manager and User home page
2	High	9	1	Completed	30/03/2021	Manager registration
3	High	9	1	Completed	31/03/2021	View manager
4	High	9	1	Completed	01/04/2021	Court registration
5	High	9	1	Completed	02/04/2021	View court
6	Medium	9	1	Completed	03/04/2021	Manage profile of manager
7	High	10	1	Completed	04/04/2021	Tournament creation
8	High	10	1	Completed	05/04/2021	View tournament creation
9	High	10	1	Completed	06/04/2021	User registration
10	High	10	1	Completed	07/04/2021	View user
11	Medium	10	1	Completed	08/04/2021	View and update user profile
12	High	10	1	Completed	09/04/2021	Request for membership
13	High	10	1	Completed	11/04/2021	View membership

User story id	Priority	size	Sprint	Status	Release date	Release goal
14	High	9	2	Completed	14/04/2021	View approved and rejected membership
15	High	9	2	Completed	15/04/2021	Search and book for court
16	High	9	2	Completed	16/04/2021	View court booking and allocation
17	High	9	2	Completed	17/04/2021	View booking and membership status
18	High	9	2	Completed	18/04/2021	Add and view membership details
19	Medium	9	2	Completed	19/04/2021	Send complaint
20	Medium	12	2	Completed	20/04/2021	View complaint and give reply
21	Medium	9	2	Completed	21/04/2021	View reply
22	High	12	2	Completed	22/04/2021	Create team and team members
23	High	12	2	Completed	23/04/2021	View created team and team members

User story id	Priority	size	Sprint	Status	Release date	Release goal
24	High	10	2	Completed	25/04/2021	View and request for tournament
25	High	9	3	Completed	27/04/2021	View tournament request and give status
26	High	9	3	Completed	28/04/2021	View tournament request status
27	Medium	7	3	Completed	29/04/2021	Tournament scheduling
28	Medium	7	3	Completed	30/04/2021	Manager can view tournament scheduling
29	Medium	8	3	Completed	01/05/2021	User can view tournament scheduling
30	Medium	8	3	Completed	02/05/2021	View court booking reports
31	Medium	8	3	Completed	03/05/2021	View tournament details
32	Medium	8	3	Completed	04/05/2021	View team and team members

User story id	Priority	size	Sprint	Status	Release date	Release goal
33	High	10	3	Completed	05/05/2021	View accepted booking and add cash entry
34	High	10	3	Completed	06/05/2021	View cash entry
35	High	10	3	Completed	07/05/2021	Add expense entry
36	High	10	3	Completed	08/05/2021	View expense entry
37	High	10	3	Completed	09/05/2021	View cash and expense report monthly wise
38	High	10	4	Completed	12/05/2021	Winner list creation
39	High	10	4	Completed	13/05/2021	View winner list creation
40	High	7	4	Completed	15/05/2021	Add reviews and ratings
41	Medium	9	4	Completed	16/05/2021	View reviews and ratings
42	Medium	8	4	Completed	18/05/2021	Chat with user
43	Medium	10	4	Completed	20/05/2021	Login
44	Medium	9	4	Completed	21/05/2021	Public user
45	Medium	8	4	Completed	22/05/2021	Forgot password
46	Medium	8	4	Completed	23/05/2021	Change password

Table 3.2: Product Backlog

### 3.5 Project Plan

User story id	Task name	Start date	End date	Days	Status to be filled by scrum master
1	1	29/03/2021	29/03/2021	1	Completed
2	1	30/03/2021	30/03/2021	1	Completed
3	1	31/03/2021	31/03/2021	1	Completed
4	1	01/04/2021	01/04/2021	1	Completed
5	1	02/04/2021	02/04/2021	1	Completed
6	1	03/04/2021	03/04/2021	1	Completed
7	1	04/04/2021	04/04/2021	1	Completed
8	1	05/04/2021	05/04/2021	1	Completed
9	1	06/04/2021	06/04/2021	1	Completed
10	1	07/04/2021	07/04/2021	1	Completed
11	1	08/04/2021	08/04/2021	1	Completed
12	1	09/04/2021	09/04/2021	1	Completed
13	1	10/04/2021	11/03/2021	2	Completed
14	2	13/04/2021	14/04/2021	2	Completed
15	2	14/04/2021	15/04/2021	1.5	Completed
16	2	16/04/2021	16/04/2021	1	Completed

User story id	Task name	Start date	End date	Days	Status to be filled by scrum master
17	2	17/04/2021	17/04/2021	1	Completed
18	2	18/04/2021	18/04/2021	1	Completed
19	2	19/04/2021	19/04/2021	1	Completed
20	2	19/04/2021	20/04/2021	1.5	Completed
21	2	21/04/2021	21/04/2021	1	Completed
22	2	22/04/2021	22/04/2021	1	Completed
23	2	23/04/2021	23/04/2021	1	Completed
24	2	24/04/2021	25/04/2021	2	Completed
25	3	27/04/2021	27/04/2021	1	Completed
26	3	28/04/2021	28/04/2021	1	Completed
27	3	29/04/2021	29/04/2021	1	Completed
28	3	30/04/2021	30/04/2021	1	Completed
29	3	01/05/2021	01/05/2021	1	Completed
30	3	02/05/2021	02/05/2021	1	Completed
31	3	03/05/2021	03/05/2021	1	Completed
32	3	04/05/2021	04/05/2021	1	Completed

User story id	Task name	Start date	End date	Days	Status to be filled by scrum master
33	3	05/05/2021	05/05/2021	1	Completed
34	3	06/05/2021	06/05/2021	1	Completed
35	3	07/05/2021	07/05/2021	1	Completed
36	3	08/05/2021	08/05/2021	1	Completed
37	3	09/05/2021	09/05/2021	1	Completed
38	4	11/05/2021	12/05/2021	2	Completed
39	4	12/05/2021	13/05/2021	2	Completed
40	4	14/05/2021	15/05/2021	2	Completed
41	4	15/05/2021	16/05/2021	2	Completed
42	4	17/05/2021	18/05/2021	2	Completed
43	4	18/05/2021	20/05/2021	2.5	Completed
44	4	21/05/2021	21/05/2021	1	Completed
45	4	22/05/2021	22/05/2021	1	Completed
46	4	23/05/2021	23/05/2021	1	Completed

Table 3.3: Project Plan

## 3.6 Sprint Backlog Planned

### 3.6.1 Sprint 1

Backlog items	Completion date	Original estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
			29/03/21	30/03/21	31/03/21	01/04/21	02/04/21	03/04/21	04/04/21	05/04/21	06/04/21	07/04/21	08/04/21	09/04/21	10/04/21	11/04/21
User story 1																
Form design	29/03/2021	2	2													
Table creation	29/03/2021	2	2													
Coding	29/03/2021	4	4													
Testing	29/03/2021	1	1													
User story 2																
Form design	30/03/2021	2		2												
Table creation	30/03/2021	2		2												
Coding	30/03/2021	4		4												
Testing	30/03/2021	1		1												
User story 3																
Form design	31/04/2021	2			2											
Table creation	31/04/2021		1			1										
Coding	31/04/2021	5			5											
Testing	31/04/2021	1			1											
User story 4																
Form design	01/04/2021	2				2										
Table creation	01/04/2021	1				1										
Coding	01/04/2021	5				5										
Testing	01/04/2021	1				1										
User story 5																
Form design	02/04/2021	2					2									
Table creation	02/04/2021	1					1									
Coding	02/04/2021	5					5									
Testing	02/04/2021	1					1									
User story 6																
Form design	03/04/2021	2						2								
Table creation	03/04/2021	1						1								
Coding	03/04/2021	5						5								
Testing	03/04/2021	1						1								
--																

User story 7										
Form design	04/04/2021	2					2			
Table creation	04/04/2021	2					2			
Coding	04/04/2021	5					5			
Testing	04/04/2021	1					1			
User story 8										
Form design	05/04/2021	2					2			
Table creation	05/04/2021	1					1			
Coding	05/04/2021	6					6			
Testing	05/04/2021	1					1			
User story 9										
Form design	06/04/2021	2					2			
Table creation	06/04/2021	2					2			
Coding	06/04/2021	5					5			
Testing	06/04/2021	1					1			
User story 10										
Form design	07/04/2021	2					2			
Table creation	07/04/2021	1					1			
Coding	07/04/2021	6					6			
Testing	07/04/2021	1					1			
User story 11										
Form design	08/04/2021	2					2			
Table creation	08/04/2021	1					1			
Coding	08/04/2021	6					6			
Testing	08/04/2021	1					1			
User story 12										
Form design	09/04/2021	2					2			
Table creation	09/04/2021	1					1			
Coding	09/04/2021	6					6			
Testing	09/04/2021	1					1			
User story 13										
Form design	10/04/2021	2					2			
Table creation	10/04/2021	1					1			
Coding	11/04/2021	6					6			
Testing	11/04/2021	1					1		2	4

Figure 3.6: Sprint 1 plan

### 3.6.2 Sprint 2

Backlog items	Completion Date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			13/04/2021	14/04/2021	15/04/2021	16/04/2021	17/04/2021	18/04/2021	19/04/2021	20/04/2021	21/04/2021	22/04/2021	23/04/2021	24/04/2021	25/04/2021
User Story 14			Hours												
Form Design	13/04/2021	1	1												
Table Creation	13/04/2021	1	1												
Coding	14/04/2021	6	4	2											
Testing	14/04/2021	1		1											
User Story 15															
Form Design	14/04/2021	1		1											
Table Creation	14/04/2021	1		1											
Coding	15/04/2021	6		1	5										
Testing	15/04/2021	1			1										
User Story 16															
Form Design	16/04/2021	1				1									
Table Creation	16/04/2021	1				1									
Coding	16/04/2021	6				6									
Testing	16/04/2021	1				1									
User Story 17															
Form Design	17/04/2021	1					1								
Table Creation	17/04/2021	1					1								
Coding	17/04/2021	6					6								
Testing	17/04/2021	1					1								
User Story 18															
Form Design	18/04/2021	1						1							
Table Creation	18/04/2021	1						1							
Coding	18/04/2021	6						6							
Testing	18/04/2021	1						1							
User Story 19															
Form Design	19/04/2021	1							1						
Table Creation	19/04/2021	1							1						
Coding	19/04/2021	6							6						
Testing	19/04/2021	1							1						

User Story 20													
Form Design	19/04/2021	2						1	1				
Table Creation	19/04/2021	1						1					
Coding	20/04/2021	8						1	7				
Testing	20/04/2021	1							1				
User Story 21													
Form Design	21/04/2021	1							1				
Table Creation	21/04/2021	1							1				
Coding	21/04/2021	6							6				
Testing	21/04/2021	1							1				
User Story 22													
Form Design	22/04/2021	2							2				
Table Creation	22/04/2021	1							1				
Coding	22/04/2021	8							8				
Testing	22/04/2021	1							1				
User Story 23													
Form Design	23/04/2021	2							2				
Table Creation	23/04/2021	1							1				
Coding	23/04/2021	8							8				
Testing	23/04/2021	1							1				
User Story 24													
Form Design	24/04/2021	1								1			
Table Creation	24/04/2021	1								1			
Coding	25/04/2021	7								3	4		
Testing	25/04/2021	1									1		

Figure 3.7: Sprint 2 plan

### 3.6.3 Sprint 3

Backlog items	Completion Date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			27/04/2021	28/04/2021	29/04/2021	30/04/2021	1/05/2021	2/05/2021	3/05/2021	4/05/2021	5/05/2021	6/05/2021	7/05/2021	8/05/2021	9/05/2021
User Story 25			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Form Design	27/04/2021	2	2												
Table Creation	27/04/2021	1	1												
Coding	27/04/2021	5	5												
Testing	27/04/2021	1	1												
User Story 26															
Form Design	28/04/2021	1		1											
Table Creation	28/04/2021	1		1											
Coding	28/04/2021	6		6											
Testing	28/04/2021	1		1											
User Story 27															
Form Design	29/04/2021	1			1										
Table Creation	29/04/2021	1			1										
Coding	29/04/2021	4			4										
Testing	29/04/2021	1			1										
User story 28															
Form design	30/04/2021	1				1									
Table creation	30/04/2021	1				1									
Coding	30/04/2021	4				4									
Testing	30/04/2021	1				1									
User story 29									2						
Form design	1/05/2021	2						2							
Table creation	1/05/2021	1						1							
Coding	1/05/2021	4						4							
Testing	1/05/2021	1						1							
User story 30															
Form design	2/05/2021	1							1						
Table creation	2/05/2021	1							1						
Coding	2/05/2021	5							5						
Testing	2/05/2021	1							1						

User story 31							
Form design	3/05/2021	1				1	
Table creation	3/05/2021	1				1	
Coding	3/05/2021	5				5	
Testing	3/05/2021	1				1	
User story 32							
Form design	4/05/2021	1				1	
Table creation	4/05/2021	1				1	
Coding	4/05/2021	5				5	
Testing	4/05/2021	1				1	
User story 33							
Form design	5/05/2021	2				2	
Table creation	5/05/2021	1				1	
Coding	5/05/2021	6				6	
Testing	5/05/2021	1				1	
User story 34							
Form design	6/05/2021	2				2	
Table creation	6/05/2021	1				1	
Coding	6/05/2021	6				6	
Testing	6/05/2021	1				1	
User story 35							
Form design	7/05/2021	1				1	
Table creation	7/05/2021	1				1	
Coding	7/05/2021	7				7	
Testing	7/05/2021	1				1	
User story 36							
Form design	8/05/2021	2				2	
Table creation	8/05/2021	1				1	
Coding	8/05/2021	6				6	
Testing	8/05/2021	1				1	
User story 37							
Form design	9/05/2021	1				1	
Table creation	9/05/2021	1				1	
Coding	9/05/2021	7				7	
Testing	9/05/2021	1				1	

Figure 3.8: Sprint 3 plan

### 3.6.4 Sprint 4

Backlog items	Completion Date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			11/05/2021	12/05/2021	13/05/2021	14/05/2021	15/05/2021	16/05/2021	17/05/2021	18/05/2021	19/05/2021	20/05/2021	21/05/2021	22/05/2021	23/05/2021
User Story 38			Hours												
Form Design	11/05/2021	1	1												
Table Creation	11/05/2021	1	1												
Coding	11/05/2021	7	5	2											
Testing	12/05/2021	1		1											
User Story 39															
Form Design	12/05/2021	1		1											
Table Creation	12/05/2021	1		1											
Coding	13/05/2021	7		2	5										
Testing	13/05/2021	1			1										
User Story 40															
Form Design	14/05/2021	1				1									
Table Creation	14/05/2021	1				1									
Coding	15/05/2021	7				4	3								
Testing	15/05/2021	1					1								
User story 41															
Form design	15/05/2021	1					1								
Table creation	15/05/2021	1					1								
Coding	16/05/2021	4						4							
Testing	16/05/2021	1						1							
User story 42															
Form design	17/05/2021	1							1						
Table creation	17/05/2021	1							1						
Coding	18/5/2021	6							5	1					
Testing	18/5/2021	1								1					

User story 43													
<b>Form design</b>	18/05/2021	1							1				
<b>Table creation</b>	18/05/2021	1							1				
<b>Coding</b>	20/05/2021	5							1	4			
<b>Testing</b>	20/05/2021	1								1			
User story 44													
<b>Form design</b>	21/05/2021	1								1			
<b>Table creation</b>	21/05/2021	1								1			
<b>Coding</b>	21/05/2021	7								7			
<b>Testing</b>	22/05/2021	1									1		
User story 45													
<b>Form design</b>	22/05/2021	1									1		
<b>Table creation</b>	22/05/2021	1									1		
<b>Coding</b>	22/05/2021	6									6		
<b>Testing</b>	22/05/2021	1									1		
User story 46													
<b>Form design</b>	23/05/2021	1									1		
<b>Table creation</b>	23/05/2021	1									1		
<b>Coding</b>	23/05/2021	5									5		
<b>Testing</b>	23/05/2021	1									1		

Figure 3.9: Sprint 4 plan

## 3.7 Sprint Backlog Actual

### 3.7.1 Sprint 1

Backlog items	Completion date	Original estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
User story 1																
Form design	29/03/2021	2	2													
Table creation	29/03/2021	2	2													
Coding	29/03/2021	4	4													
Testing	29/03/2021	1	1													
User story 2																
Form design	30/03/2021	2		2												
Table creation	30/03/2021	2		2												
Coding	30/03/2021	4		4												
Testing	30/03/2021	1		1												
User story 3																
Form design	31/03/2021	2			2											
Table creation	31/03/2021	1			1											
Coding	31/03/2021	5			5											
Testing	31/03/2021	1			1											
User story 4																
Form design	01/04/2021	2				2										
Table creation	01/04/2021	1				1										
Coding	01/04/2021	5				5										
Testing	01/04/2021	1				1										
User story 5																
Form design	02/04/2021	2					2									
Table creation	02/04/2021	1					1									
Coding	02/04/2021	5					5									
Testing	02/04/2021	1					1									
User story 6																
Form design	03/04/2021	2						2								
Table creation	03/04/2021	1						1								
Coding	03/04/2021	5						5								
Testing	03/04/2021	1						1								

User story 7								
Form design	04/04/2021	2				2		
Table creation	04/04/2021	2				2		
Coding	04/04/2021	5				5		
Testing	04/04/2021	1				1		
User story 8								
Form design	05/04/2021	2				2		
Table creation	05/04/2021	1				1		
Coding	05/04/2021	6				6		
Testing	05/04/2021	1				1		
User story 9								
Form design	06/04/2021	2				2		
Table creation	06/04/2021	2				2		
Coding	06/04/2021	5				5		
Testing	06/04/2021	1				1		
User story 10								
Form design	07/04/2021	2				2		
Table creation	07/04/2021	1				1		
Coding	07/04/2021	6				6		
Testing	07/04/2021	1				1		
User story 11								
Form design	08/04/2021	2				2		
Table creation	08/04/2021	1				1		
Coding	08/04/2021	6				6		
Testing	08/04/2021	1				1		
User story 12								
Form design	09/04/2021	2				2		
Table creation	09/04/2021	1				1		
Coding	09/04/2021	6				6		
Testing	09/04/2021	1				1		
User story 13								
Form design	10/04/2021	2					2	
Table creation	10/04/2021	1					1	
Coding	11/04/2021	6					2	4
Testing	11/04/2021	1						1

Figure 3.10: Sprint 1 actual

### 3.7.2 Sprint 2

Backlog items	Completion Date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			13 /0 4/ 20 21	14/ 04/ 202 1	15/ 04/ 202 1	16/ 04/ 202 1	17/ 04/ 202 1	18/ 04/ 202 1	19/ 04/ 202 1	20/ 04/ 202 1	21/ 04/ 202 1	22/0 4/ 2021	23/0 4/ 2021	24/0 4/ 2021	25/ 04/ 202 1
User Story 14			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Form Design	13/04/2021	1	1												
Table Creation	13/04/2021	1	1												
Coding	14/04/2021	6	4	2											
Testing	14/04/2021	1		1											
User Story 15															
Form Design	14/04/2021	1		1											
Table Creation	14/04/2021	1		1											
Coding	15/04/2021	6		1	5										
Testing	15/04/2021	1			1										
User Story 16															
Form Design	16/04/2021	1				1									
Table Creation	16/04/2021	1				1									
Coding	16/04/2021	6				6									
Testing	16/04/2021	1				1									
User Story 17															
Form Design	17/04/2021	2					2								
Table Creation	17/04/2021	1					1								
Coding	18/04/2021	9					5	4							
Testing	18/04/2021	1						1							

<b>User Story 18</b>												
<b>Form Design</b>	18/04/2021	1					1					
<b>Table Creation</b>	18/04/2021	1					1					
<b>Coding</b>	19/04/2021	6					4	2				
<b>Testing</b>	19/04/2021	1						1				
<b>User Story 19</b>												
<b>Form Design</b>	19/04/2021	1						1				
<b>Table Creation</b>	19/04/2021	1						1				
<b>Coding</b>	20/04/2021	6						5	1			
<b>Testing</b>	20/04/2021	1							1			
<b>User Story 20</b>												
<b>Form Design</b>	20/04/2021	1							1			
<b>Table Creation</b>	20/04/2021	1							1			
<b>Coding</b>	20/04/2021	5							5			
<b>Testing</b>	20/04/2021	1							1			
<b>User Story 21</b>												
<b>Form Design</b>	20/04/2021	1							1			
<b>Table Creation</b>	21/04/2021	1								1		
<b>Coding</b>	21/04/2021	3								3		
<b>Testing</b>	21/04/2021	1								1		
<b>User Story 22</b>												
<b>Form Design</b>	21/04/2021	1								1		
<b>Table Creation</b>	21/04/2021	1								1		
<b>Coding</b>	22/04/2021	8								5	3	
<b>Testing</b>	22/04/2021	1								1		

<b>User Story 23</b>													
<b>Form Design</b>	22/04/2021	1								1			
<b>Table Creation</b>	22/04/2021	1								1			
<b>Coding</b>	23/04/2021	9								6	3		
<b>Testing</b>	23/04/2021	1								1			
<b>User Story 24</b>													
<b>Form Design</b>	24/04/2021	1									1		
<b>Table Creation</b>	24/04/2021	1									1		
<b>Coding</b>	25/04/2021	8									3	5	
<b>Testing</b>	25/04/2021	1										1	

Figure 3.11: Sprint 2 actual

### 3.7.3 Sprint 3

Backlog items	Completion Date	Original Estimated hours	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			27/04/2021	28/04/2021	29/04/2021	30/04/2021	1/05/2021	2/05/2021	3/05/2021	4/05/2021	5/05/2021	6/05/2021	7/05/2021	8/05/2021	9/05/2021
User Story 25			Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
Form Design	27/04/2021	1	1												
Table Creation	27/04/2021	1	1												
Coding	27/04/2021	5	5												
Testing	27/04/2021	1	1												
User Story 26															
Form Design	28/04/2021	2		2											
Table Creation	28/04/2021	1		1											
Coding	28/04/2021	6		6											
Testing	28/04/2021	1		1											
User Story 27															
Form Design	28/04/2021	1		1											
Table Creation	29/04/2021	1			1										
Coding	29/04/2021	5			5										
Testing	29/04/2021	1			1										
User Story 28															
Form design	30/04/2021	1				1									
Table creation	30/04/2021	1				1									
Coding	30/04/2021	6				6									
Testing	30/04/2021	1				1									

<b>User story 29</b>													
<b>Form design</b>	1/05/2021	2					2						
<b>Table creation</b>	1/05/2021	1					1						
<b>Coding</b>	1/05/2021	5					5						
<b>Testing</b>	1/05/2021	1					1						
<b>User story 30</b>													
<b>Form design</b>	2/05/2021	1						1					
<b>Table creation</b>	2/05/2021	1						1					
<b>Coding</b>	2/05/2021	5						5					
<b>Testing</b>	2/05/2021	1						1					
<b>User story 31</b>													
<b>Form design</b>	3/05/2021	1							1				
<b>Table creation</b>	3/05/2021	1							1				
<b>Coding</b>	3/05/2021	4							4				
<b>Testing</b>	3/05/2021	1							1				
<b>User story 32</b>													
<b>Form design</b>	4/05/2021	1							1				
<b>Table creation</b>	4/05/2021	1							1				
<b>Coding</b>	4/05/2021	6							6				
<b>Testing</b>	4/05/2021	1							1				
<b>User story 33</b>													
<b>Form design</b>	5/05/2021	1								1			
<b>Table creation</b>	5/05/2021	1								1			
<b>Coding</b>	5/05/2021	7								7			
<b>Testing</b>	5/05/2021	1								1			

<b>User story 34</b>												
<b>Form design</b>	6/05/2021	1								1		
<b>Table creation</b>	6/05/2021	1								1		
<b>Coding</b>	6/05/2021	5								5		
<b>Testing</b>	6/05/2021	1								1		
<b>User story 35</b>												
<b>Form design</b>	7/05/2021	1								1		
<b>Table creation</b>	7/05/2021	1								1		
<b>Coding</b>	7/05/2021	7								7		
<b>Testing</b>	7/05/2021	1								1		
<b>User story 36</b>												
<b>Form design</b>	8/05/2021	1								1		
<b>Table creation</b>	8/05/2021	1								1		
<b>Coding</b>	8/05/2021	5								5		
<b>Testing</b>	8/05/2021	1								1		
<b>User story 37</b>												
<b>Form design</b>	8/05/2021	1								1		
<b>Table creation</b>	8/05/2021	1								1		
<b>Coding</b>	9/05/2021	9								1	8	
<b>Testing</b>	9/05/2021	1									1	

Figure 3.12: Sprint 3 actual

### 3.7.4 Sprint 4

Backlog items	Completion Date	Original Estimated hours	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Da	Day 12	Day 13
			Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13
			11/0 5/20 21	12/0 5/20 21	13/ 05 20	14/ 05/ 202 1	15/0 5/ 202 1	16/0 5/ 202 1	17/0 5/ 202 1	18/0 5/ 202 1	19/ 5/2 021	20/5 /202 1	21/0 5/20 21	22/05 /2021	23/05 /2021
User Story 38			Ho urs	Ho urs	H ou rs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs	Ho urs
Form Design	11/05 /2021	1	1												
Table Creation	11/05 /2021	1	1												
Coding	12/05 /2021	6	5	1											
Testing	12/05 /2021	1		1											
User Story 39															
Form Design	12/05 /2021	2		2											
Table Creation	12/05 /2021	1		1											
Coding	13/05 /2021	7		3	4										
Testing	13/05 /2021	1			1										
User Story 40															
Form Design	14/05 /2021	1				1									
Table Creation	14/05 /2021	1				1									
Coding	15/05 /2021	6				4	2								
Testing	15/05 /2021	1					1								

<b>User story 41</b>													
<b>Form design</b>	15/05/2021	1					1						
<b>Table creation</b>	15/05/2021	1					1						
<b>Coding</b>	16/05/2021	7					1	6					
<b>Testing</b>	16/05/2021	1					1						
<b>User story 42</b>													
<b>Form design</b>	17/05/2021	1						1					
<b>Table creation</b>	17/05/2021	1						1					
<b>Coding</b>	18/05/2021	11						8	3				
<b>Testing</b>	18/05/2021	2							2				
<b>User story 43</b>													
<b>Form design</b>	18/05/2021	2						2					
<b>Table creation</b>	18/05/2021	1						1					
<b>Coding</b>	20/05/2021	11						1	6	4			
<b>Testing</b>	20/05/2021	2							2				
<b>User story 44</b>													
<b>Form design</b>	21/05/2021	1								1			
<b>Table creation</b>	21/05/2021	1								1			
<b>Coding</b>	21/05/2021	7								7			
<b>Testing</b>	21/05/2021	1								1			

<b>User story 45</b>												
<b>Form design</b>	22/05/2021	1									1	
<b>Table creation</b>	22/05/2021	1									1	
<b>Coding</b>	22/05/2021	5									5	
<b>Testing</b>	22/05/2021	1									1	
<b>User story 46</b>												
<b>Form design</b>	23/05/2021	1									1	
<b>Table creation</b>	23/05/2021	1									1	
<b>Coding</b>	23/05/2021	7									7	
<b>Testing</b>	23/05/2021	1									1	

Figure 3.13: Sprint 4 actual

## 3.8 Sprint Review

### 3.8.1 Sprint Review 1

Userstory id	Comments from scrum master if any	Comments from product owner master if any
1	User home page is need to be some more attractive	Satisfied
2	Satisfied	Avoid error that comes in court registration page
3	Satisfied	Satisfied
4	Satisfied	Satisfied
5	Satisfied	Avoid short form of date of birth
6	Satisfied	Satisfied
7	Satisfied	Satisfied
8	Satisfied	Satisfied
9	Add date time picker for date of birth	Avoid short form of date of birth
10	Satisfied	Satisfied
11	Add date time picker for date of birth	Avoid short form of date of birth

Userstory id	Comments from scrum master if any	Comments from product owner master if any
12	Specify some duration for membership request and add date time picker	Make some more modification
13	Satisfied	Add some more field of user while viewing membership

Table 3.4: Sprint Review 1

### 3.8.2 Sprint Review 2

Userstory id	Comments from scrum master if any	Comments from product owner master if any
14	Satisfied	Satisfied
15	Satisfied	Some modifications for court booking
16	Satisfied	Satisfied
17	Some modifications for view booking and membership status	Satisfied
18	Satisfied	Satisfied
19	Satisfied	Satisfied

Userstory id	Comments from scrum master if any	Comments from product owner master if any
20	View complaint in sending reply page	Satisfied
21	Make added reply shown on the top of the view reply page	Satisfied
22	Satisfied	Satisfied
23	Satisfied	Satisfied
24	Satisfied	Satisfied

Table 3.5: Sprint Review 2

### 3.8.3 Sprint Review 3

Userstory id	Comments from scrum master if any	Comments from product owner master if any
25	Make short heading for view tournament request	Make selected name stable in text field
26	Avoid some field in view tournament request status	Satisfied
27	Some modification for tournament scheduling	Tournament scheduling is in coding process

Userstory id	Comments from scrum master if any	Comments from product owner master if any
28	Satisfied	View tournament schedule of manager is in coding process
29	Alignment correction in view tournament schedule of user	View tournament schedule of manager is in coding process
30	Add date search for view accept booking report by the admin	Make selected date stable while viewing the details
31	Satisfied	Satisfied
32	Satisfied	Satisfied
33	Make selected username stable	Satisfied
34	Make selected date stable while viewing the details and left alignment in amount field	Satisfied
35	Satisfied	Satisfied
36	Make left alignment in amount field	Satisfied
37	Make left alignment in amount field	Satisfied

Table 3.6: Sprint Review 3

### 3.8.4 Sprint Review 4

Userstory id	Comments from scrum master if any	Comments from product owner master if any
38	Add some more field	Make button disable according to time while adding the winner list
39	View winner team while viewing the tournament schedule and make selected items stable in the field	Satisfied
40	Satisfied	Satisfied
41	Satisfied	Satisfied
42	Check whether can add date in chat	Satisfied
43	Satisfied	Satisfied
44	View rating to public user	Satisfied
45	Make more attractive in forgot password	Satisfied
46	Make changes in alert message of change password	Satisfied

Table 3.7: Sprint Review 4

## 3.9 Table Designs

### 3.9.1 Login

This is login table. This include user name, user type and password for login to this application. Admin, manager and user enter to their homepage by entering username and password and access his/her account.

Attribute	Data type	Constraint	Description
login_id	INT	PRIMARY KEY	Login id for reference
user_name	VARCHAR(50)	NOT NULL	Email of user
user_type	VARCHAR(8)	NOT NULL	Which type of user is login
password	VARCHAR(10)	NOT NULL	Password

Table 3.8: Login Table

### 3.9.2 Manager

This is manager table which include details of manager like name of manager, house name, place, phone number, email, court, image etc. Manager can enter into his web application page by entering user name and password. Registration of manager are done by admin. Different court have different manager which are allotted by admin, who is owner of the multiple court or turf.

<b>Attribute</b>	<b>Data type</b>	<b>Constraint</b>	<b>Description</b>
manager_id	INT	PRIMARY KEY	ID for reference
court_id	INT	FOREIGN KEY	Court id for reference
manager_name	VARCHAR(50)	NOT NULL	Manager name
house_name	VARCHAR(50)	NOT NULL	Housename of manager
place	VARCHAR(50)	NOT NULL	Place
district	VARCHAR(20)	NOT NULL	District
pincode	INT	NOT NULL	Pincode
dob	DATE	NOT NULL	Date of birth
phone	BIGINT	NOT NULL	Contact number of manager
email	VARCHAR(30)	NOT NULL	Email
photo	VARCHAR(20)	NOT NULL	Photo

Table 3.9: Manager registration Table

### 3.9.3 Court

This is court table which include details of court which are registered by the admin. This table includes court name, place, district, photo, details or description about court etc. Different court have different manager.

Attribute	Data type	Constraint	Description
court_id	INT	PRIMARY KEY	ID for reference
court_name	VARCHAR(30)	NOT NULL	Court name
place	VARCHAR(50)	NOT NULL	Place
district	VARCHAR(30)	NOT NULL	District
description	VARCHAR(100)	NOT NULL	Description
squarefeet	DOUBLE	NOT NULL	Squarefeet
photo	VARCHAR(20)	NOT NULL	Photo

Table 3.10: Court registration Table

### 3.9.4 Rating

Rating and reviews table include reviews, ratings and date given by user about different court.

Attribute	Data type	Constraint	Description
rate_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
court_id	INT	FOREIGN KEY	Court id
reviews	VARCHAR(60)	NOT NULL	Reviews given by user
ratings	FLOAT	NOT NULL	Rating given by user
date	DATE	NOT NULL	Date

Table 3.11: Rating and Reviews Table

### 3.9.5 User

User table include user name, house name, place, district, pincode, date of birth, email, phone number etc. User can login to his android home page by entering username and password. User can view different court details.

Attribute	Data type	Constraint	Description
user_id	INT	PRIMARY KEY	ID for reference
user_name	VARCHAR(50)	NOT NULL	User name
house_name	VARCHAR(50)	NOT NULL	Housename of user
place	VARCHAR(50)	NOT NULL	Place
district	VARCHAR(30)	NOT NULL	District
pincode	INT	NOT NULL	Pincode
dob	DATE	NOT NULL	Date of birth
gender	VARCHAR(6)	NOT NULL	Gender
phone	BIGINT	NOT NULL	Contact number of user
email	VARCHAR(30)	NOT NULL	Email
photo	VARCHAR(20)	NOT NULL	Photo

Table 3.12: User registration Table

### **3.9.6 Complaint**

Complaint table include complaint given by the user about the court, corresponding date, reply by admin and status.

Attribute	Data type	Constraint	Description
complaint_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
complaint	VARCHAR(100)	NOT NULL	Complaint
date	DATE	NOT NULL	Date
reply	VARCHAR(100)	-	Reply
status	VARCHAR(10)	NOT NULL	Status

Table 3.13: Complaint details Table

### **3.9.7 Membership**

This table include user membership details like membership valid to and from date and status given by the court manager. User can request for membership in different courts which are approved or rejected by different court manager. Different membership package are added by the admin. This court manager are allotted by admin, who is the owner of ground, turf or court.

<b>Attribute</b>	<b>Data type</b>	<b>Constraint</b>	<b>Description</b>
memb_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
court_id	INT	FOREIGN KEY	Court id
valid_to	DATE	NOT NULL	Date
valid_from	DATE	NOT NULL	Date
type_id	INT	FOREIGN KEY	Membership type
status	VARCHAR(10)	NOT NULL	Status

Table 3.14: Membership Table

### 3.9.8 Booking

This table include court booking details by user. Booking table include description about court booking , time slot, date and status given by court manager whether it is approved or rejected. Description of court booking include what kind of booking of sports item is needed such as, football or cricket, number of members etc.

<b>Attribute</b>	<b>Data type</b>	<b>Constraint</b>	<b>Description</b>
book_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
court_id	INT	FOREIGN KEY	Court id
description	VARCHAR(100)	NOT NULL	Description
timeslot	VARCHAR(15)	NOT NULL	Time slot
date	DATE	NOT NULL	Date
status	VARCHAR(10)	NOT NULL	Status

Table 3.15: Booking Table

### 3.9.9 Team

This table include details of created team such as team name, logo and description.

This team are created by user.

Attribute	Data type	Constraint	Description
team_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
team_name	VARCHAR(20)	NOT NULL	Team name
team_logo	VARCHAR(20)	NOT NULL	Team logo
description	VARCHAR(60)	NOT NULL	Description

Table 3.16: Team Table

### 3.9.10 Membership Type

This table include details of membership package type which are added by admin.

Attribute	Data type	Constraint	Description
type_id	INT	PRIMARY KEY	ID for reference
duration	VARCHAR(20)	NOT NULL	Membership duration
amount	INT	NOT NULL	Amount

Table 3.17: Membership type Table

### **3.9.11 Team member**

Team member table include details of team members in created team which are created by user. This table include name of member, place, phone number, district.

Attribute	Data type	Constraint	Description
teammember_id	INT	PRIMARY KEY	ID for reference
team_id	INT	FOREIGN KEY	Team id
name	VARCHAR(20)	NOT NULL	Name of member
place	VARCHAR(50)	NOT NULL	Place
district	VARCHAR(30)	NOT NULL	District
photo	VARCHAR(20)	NOT NULL	Photo
phone	BIGINT	NOT NULL	Contact number of member

Table 3.18: Team member Table

### **3.9.12 Tournament**

This table include details of created tournament, created by court manager. Table include tournament name, starting date of tournament, type of tournament, ground fee and first prize and second prize. Tournament type include football 5's, football 7's, cricket.

Attribute	Data type	Constraint	Description
tournament_id	INT	PRIMARY KEY	ID for reference
court_id	INT	FOREIGN KEY	ID for reference
tournament_name	VARCHAR(25)	NOT NULL	Name of tournament
starting_date	DATE	NOT NULL	starting date
type	VARCHAR(60)	NOT NULL	Type of tournament
groundfee	INT	NOT NULL	Groundfee
first_prize	INT	NOT NULL	First Prize
second_prize	INT	NOT NULL	Second Prize

Table 3.19: Tournament creation Table

### 3.9.13 Tournament request

This table include tournament request details given by the user. Table include requested date for tournament by the user, status given by the manager whether accepted or rejected.

Attribute	Data type	Constraint	Description
tournamentrequest_id	INT	PRIMARY KEY	ID for reference
user_id	INT	FOREIGN KEY	User id
tournament_id	INT	FOREIGN KEY	Tournament id
team_id	INT	FOREIGN KEY	Team id
request_date	DATE	NOT NULL	Request date for tournament
status	VARCHAR(20)	NOT NULL	Status

Table 3.20: Tournament request Table

### **3.9.14 Tournament schedule**

Tournament schedule table include date and time of different teams which are scheduled by manager according to tournament request given by the user to participate in court tournament.

Attribute	Data type	Constraint	Description
schedule_id	INT	PRIMARY KEY	ID for reference
tournament_id	INT	FOREIGN KEY	Tournament id
team_ida	INT	FOREIGN KEY	Team id
team_idb	INT	FOREIGN KEY	Team id
date	DATE	NOT NULL	Date
time	VARCHAR(10)	NOT NULL	Time
round	VARCHAR(10)	NOT NULL	Round

Table 3.21: Tournament schedule Table

### **3.9.15 Cash entry**

This table include details of booking of court by user, include amount and date. This table indicate a report about the court. This details are entered by the court manager which are allotted by the admin, who is the owner of court or turf.

Attribute	Data type	Constraint	Description
cashentry_id	INT	PRIMARY KEY	ID for reference
booking_id	INT	FOREIGN KEY	Booking id
manager_id	INT	FOREIGN KEY	Manager id
amount	INT	NOT NULL	Amount
date	DATE	NOT NULL	Date

Table 3.22: Cash entry Table

### 3.9.16 Expense entry

Expense entry table include details of the expense of court. This are entered by the manager according to their court expense. Expense include cleaning, maintenance, and other repairing.

Attribute	Data type	Constraint	Description
expense_id	INT	PRIMARY KEY	ID for reference
manager_id	INT	FOREIGN KEY	Manager id
typeofexpense	VARCHAR(50)	NOT NULL	Type of expense
amount	INT	NOT NULL	Amount
date	DATE	NOT NULL	Date
Narration	VARCHAR(80)	NOT NULL	Narration

Table 3.23: Expense entry Table

### **3.9.17 Round winner**

This table include details of each round winner teams that are used for scheduling.

This are entered by the court manager.

Attribute	Data type	Constraint	Description
round_id	INT	PRIMARY KEY	ID for reference
schedule_id	INT	FOREIGN KEY	Schedule id
tournamentrequest_id	INT	FOREIGN KEY	Tournament request id
position	INT	NOT NULL	Position
round	INT	NOT NULL	Round

Table 3.24: Round Winner list Table

### **3.9.18 Winner**

This table include details of final winner teams. This are entered by the court manager.

Attribute	Data type	Constraint	Description
winner_id	INT	PRIMARY KEY	ID for reference
tournament_id	INT	FOREIGN KEY	Tournament id
tournamentrequest_id	INT	FOREIGN KEY	Tournament request id
position	INT	NOT NULL	Position

Table 3.25: Winner list details Table

### 3.9.19 Chat

This table include chat details of user with other user.

Attribute	Data type	Constraint	Description
chat_id	INT	PRIMARY KEY	ID for reference
from_id	INT	FOREIGN KEY	From id
to_id	INT	FOREIGN KEY	To id
message	VARCHAR(50)	NOT NULL	Message
date	DATE	NOT NULL	Date

Table 3.26: Chat Table

## 3.10 Forms

### 3.10.1 Login Page

By using Login page, Admin and manager can login to his homepage through web application. They can enter username and password to enter their home page. Admin can register manager and court. Manager can create tournament, winner list, give approve to court booking by user etc.

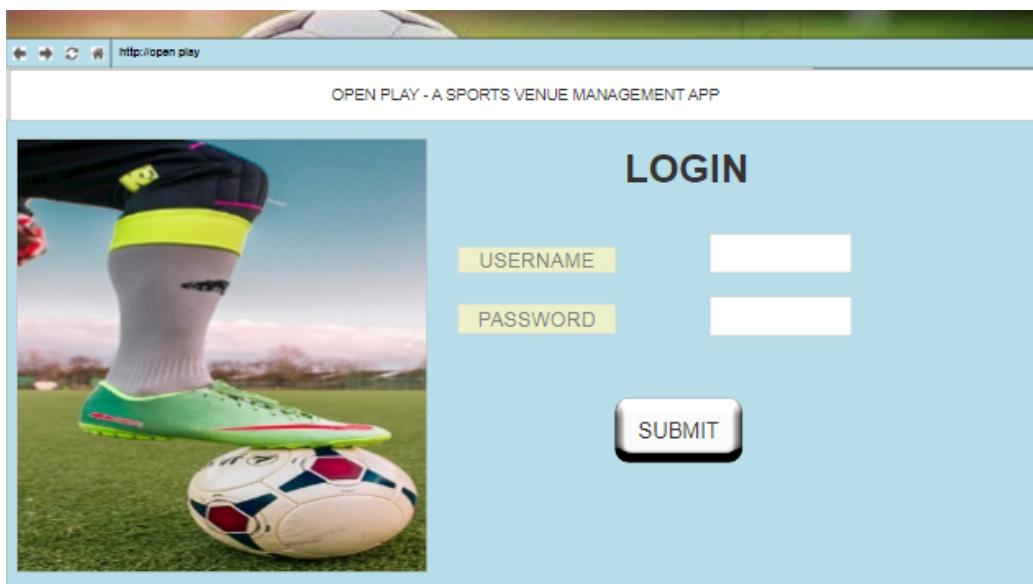


Figure 3.14: Admin Login Page

### 3.10.2 Admin Home page

Admin can view his homepage by entering to his page. He can access and manage his account by this Web application. He can register and view court and manager. He can view user, user's rating and reviews, complaint and give reply, tournament booking details, team, team members. He can also view the monthly report of cash and expense entry given by the court managers.

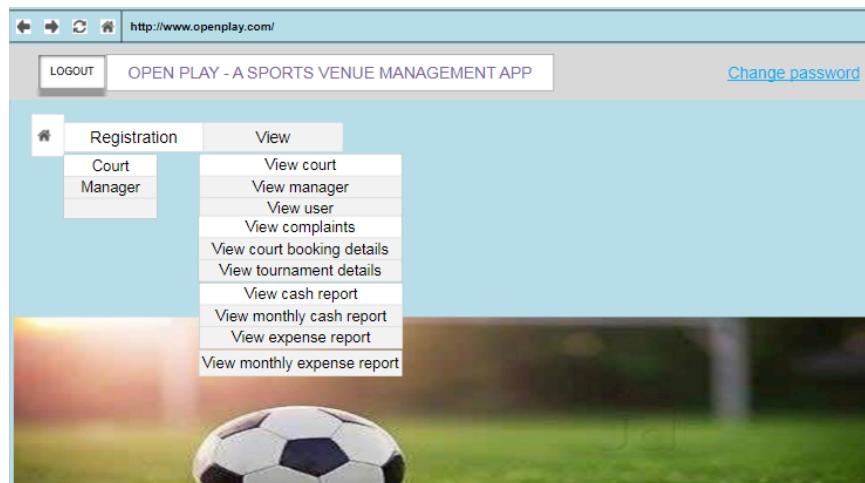


Figure 3.15: Admin home Page

### 3.10.3 Court registration

Admin can register court with court name, place, district, description, square feet, photo etc.

Court name	<input type="text"/>
Place	<input type="text"/>
District	<input type="button" value="▼"/>
Description	<input type="text"/>
Square feet	<input type="text"/>
Photo	<input type="button" value="choose a file"/>
<input type="button" value="SUBMIT"/>	

Figure 3.16: Court registration

### 3.10.4 View Court

Admin can view and edit court with court name, place, district, description, square feet, photo etc. Admin can also view ratings and reviews and delete court if needed.

Sl no	Image	Court name	Place	District	Description	Squarefeet	Edit	Delete	Rating and Reviews
1		soccer	tsy	calicut	Both cricket and football	1200ft	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">Rating and Reviews</a>

Figure 3.17: View Court

Admin can edit court with court name, place, district, description, square feet, photo etc.

Court name:   
Place:   
District:   
Description:   
Square feet:   
Photo:   
  
SUBMIT

Figure 3.18: Edit Court

Admin can view ratings and reviews which include user information, court name, ratings, reviews, date.

SI no	User info	Court name	Ratings	Reviews	Date
1	Rahul	soccer	five star	Good	3/26/2021

Figure 3.19: View Ratings and Reviews

### 3.10.5 Manager registration

Admin can register manager to different court which include name of manager, house name, place, district, pincode, date of birth, phone number, email, registered court, photo.

The form consists of several input fields and dropdown menus:

- Name
- House name
- Place
- District
- Pincode
- DOB
- Phone number
- Email
- Court
- Photo (with a 'choose a file' button)

A 'SUBMIT' button is located at the bottom right of the form area.

Figure 3.20: Manager registration

### 3.10.6 View Manager

Admin can view manager which include name of manager, house name, place, district, pincode, date of birth, phone number, email, registered court, photo.

Sl no		Name	Court	Phone number	
1		Rahul	Soccer	9876565454	<a href="#">View more</a>

Figure 3.21: View Manager

Name	<input type="text"/>
House name	<input type="text"/>
Place	<input type="text"/>
District	<input type="text"/>
Pincode	<input type="text"/>
DOB	<input type="text"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Court	<input type="text"/>
Photo	<input type="file" value="choose a file"/>
<input type="button" value="UPDATE"/> <input type="button" value="DELETE"/>	

Figure 3.22: View and update Manager

### 3.10.7 View user

Admin can view details of user like name of user, house name, place, district, pin-code, date of birth, gender etc.

SI no	Name	House name	Place	District	Pincode	DOB	Gender	Phone number	Email
1	Anu	Anuhouse	tsy	calicut	673534	03/04/1997	Male	9878756786	anu@gmail.com

Figure 3.23: View user

### 3.10.8 View complaint

Admin can view complaints of court given by user and can give reply to the corresponding user.

SI no	User info	Complaint	Date	Status	
1	Rahul	Need to improve	3/26/2021	Pending	<a href="#">Reply</a>

Figure 3.24: View complaint

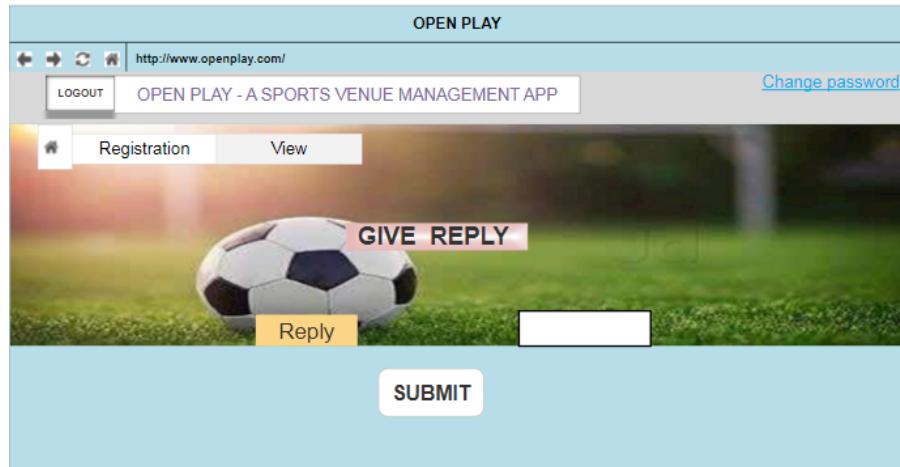


Figure 3.25: Give reply

### 3.10.9 View court booking reports

Admin can view court booking details by court wise, which include user information, date, time slot, description and status.

A screenshot of the 'OPEN PLAY' application showing the 'VIEW COURT BOOKING REPORTS' section. The title bar and menu are identical to Figure 3.25. The main area has a pink banner reading 'VIEW COURT BOOKING REPORTS'. Below it is a search bar with 'Court name' and 'Search' button. A table displays booking details:

Sl no	User info	Date	Time slot	Description	status
1	Anu	2/05/2021	2:00 PM- 3:00PM	Football -- 5's	Accepted

Figure 3.26: View court booking reports

### 3.10.10 View tournament details

Admin can view tournament details of different court which are created by court manager. It includes tournament name, starting date, description, ground fee, prize details.

Si no	Tournament name	Starting Date	Description	Ground fee	Prize details	
1	Fifa	2/05/2021	For football- 5's	20000	5000	<a href="#">View tournament team</a>

Figure 3.27: View tournament details

Admin can view tournament team of users, those who are participate in tournament, that are created by court manager.

Si no	Team name	Description	
1		Cricket league	Starts from -2:00 PM- 3:00PM
			<a href="#">View team members</a>

Figure 3.28: View tournament team

Admin can view tournament team members, those who are participate in tournament, that are created by court manager. Team members are added by the user.

SI no	Name	Place	District	Phone number
1	Rahul	Calicut	Calicut	9878765437

Figure 3.29: View tournament team members

### 3.10.11 View cash and expense entry reports monthly wise

Admin can view cash and expense entry report monthly wise.

SI no	Court name	Manager name	Month	Cash amount	Expense amount	Total amount
1	Soccer	Anu	April	10000	15000	25000

Figure 3.30: View cash and expense entry reports monthly wise.

### **3.10.12 Manager homepage**

Manager can enter into his web application by entering username and password. He can manage his profile , view court request, membership. He can create tournament and tournament scheduling and can form winner list according to it.

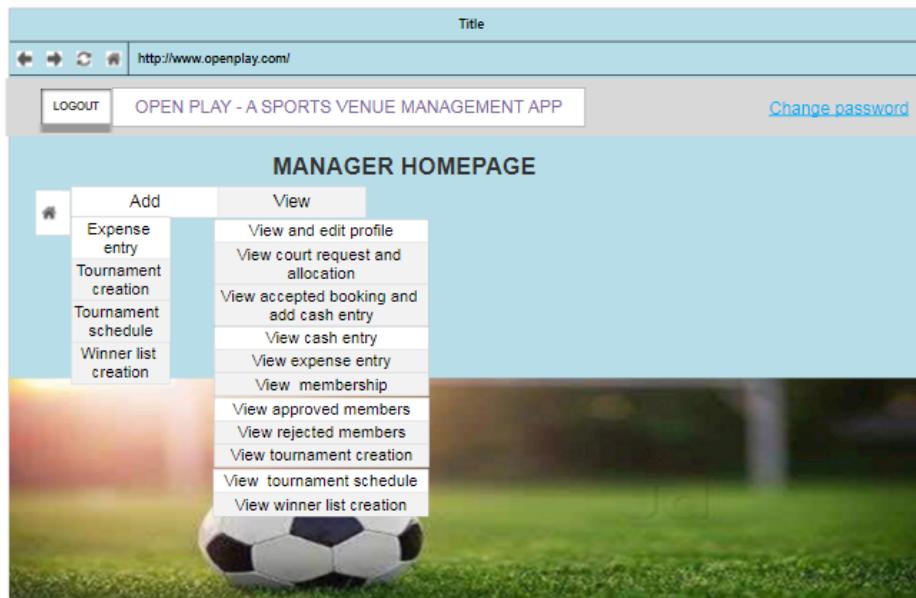


Figure 3.31: Manager home page

### **3.10.13 Manage profile**

Manager can view his profile and edit if needed. He can edit name, house name, place, district, pincode etc. He cannot edit court because, court are allotted by admin.

OPEN PLAY

http://www.openplay.com/

LOGOUT    OPEN PLAY - A SPORTS VENUE MANAGEMENT APP    Change password

Add    View

**VIEW AND EDIT MANAGER**

Name	<input type="text"/>
House name	<input type="text"/>
Place	<input type="text"/>
District	<input type="text"/>
Pincode	<input type="text"/>
DOB	<input type="text"/>
Phone number	<input type="text"/>
Email	<input type="text"/>
Court	<input type="text"/>
Photo	<input type="file"/> choose a file

**SUBMIT**

Figure 3.32: Manage profile

### 3.10.14 View court request and its allocation

Manager can view court request from user and can give any status whether it is accepted or rejected.

OPEN PLAY

http://www.openplay.com/

LOGOUT    OPEN PLAY - A SPORTS VENUE MANAGEMENT APP    Change password

Add    View

**VIEW COURT REQUEST AND ALLOCATION**

SI no	User name	Date	Description	Time slot	
1	Rahul	02/03/2021	for cricket - 11 members	2PM-3PM	<a href="#">Accept</a> <a href="#">Reject</a>

Figure 3.33: View court request and its allocation

### 3.10.15 View accepted booking

Manager can view accepted booking and enter cash.

Sl no	User name	Date	Description	Time slot	
1	Rahul	02/03/2021	for cricket - 11 members	2PM-3PM	<a href="#">Cash entry</a>

Figure 3.34: View accepted booking

Figure 3.35: Cash entry

### 3.10.16 View cash entry

Manager can view cash entry details which include username, amount, date, description etc.

SI no	User name	Amount	Date	Description	Time slot	
1	Rahul	2000	3/26/2021	for football-7's	2PM-3PM	<a href="#">Delete</a> <a href="#">Edit</a>

Figure 3.36: View cash entry

### 3.10.17 Expense entry

Manager can add expense of the court if any.

The screenshot shows a web-based application for managing sports venue expenses. The interface includes a header with the title 'OPEN PLAY' and a URL 'http://www.openplay.com/'. Below the header is a navigation bar with 'LOGOUT', 'OPEN PLAY - A SPORTS VENUE MANAGEMENT APP', and a 'Change password' link. The main content area features a background image of a soccer ball on a field. The title 'EXPENSE ENTRY' is centered above three input fields: 'Type of expense' (a dropdown menu), 'Amount' (a text input field), and 'Narration' (a text area). At the bottom is a 'SUBMIT' button.

Figure 3.37: Expense entry

### 3.10.18 View expense entry

Manager can view expense entry and delete and edit if needed.

The screenshot shows a web browser window for 'OPEN PLAY' at 'http://www.openplay.com/'. The title bar says 'OPEN PLAY - A SPORTS VENUE MANAGEMENT APP'. There are 'LOGOUT' and 'Change password' links. Below the title bar is a navigation bar with 'Add' and 'View' buttons. The main content area has a header 'VIEW EXPENSE ENTRY' with fields for 'From', 'To', and a search bar. Below this is a table with columns: 'Sl no', 'Type of expense', 'Amount', and 'Narration'. The table contains one row with data: Sl no 1, Type of expense Cleaning, Amount 2000, Narration Two staffs for cleaning, and buttons for 'Delete' and 'Edit'.

Sl no	Type of expense	Amount	Narration	
1	Cleaning	2000	Two staffs for cleaning	<a href="#">Delete</a> <a href="#">Edit</a>

Figure 3.38: View expense entry

Manager can view expense entry report and edit if needed.

The screenshot shows a web browser window for 'OPEN PLAY' at 'http://www.openplay.com/'. The title bar says 'OPEN PLAY - A SPORTS VENUE MANAGEMENT APP'. There are 'LOGOUT' and 'Change password' links. Below the title bar is a navigation bar with 'Add' and 'View' buttons. The main content area has a header 'EDIT EXPENSE ENTRY' with fields for 'Type of expense' (dropdown menu), 'Amount' (text input), and 'Narration' (text area). At the bottom is a 'SUBMIT' button.

Figure 3.39: Edit expense entry report

### 3.10.19 View membership

Manager can view membership of user and give approval.

Sl no	User name	Phone number	Email	Valid-to	Valid-from	
1	Rahul	9878767656	rah@gmail.com	01/02/2021	03/05/2021	<a href="#">Accept</a> <a href="#">Reject</a>

Figure 3.40: View membership

### 3.10.20 View approved membership

Manager can view approved membership.

Sl no	User name	Phone number	Email	Valid-to	Valid-from
1	Rahul	9878767656	rah@gmail.com	01/02/2021	03/05/2021

Figure 3.41: View approved membership

### 3.10.21 View rejected membership

Manager can view rejected membership of the user.

SI no	User name	Phone number	Email	Valid-to	Valid-from
1	Rahul	9878767656	rah@gmail.com	01/02/2021	03/05/2021

Figure 3.42: View rejected membership

### 3.10.22 Tournament creation

Manager can add tournament in his court.

Tournament name:

Starting date:

Description:

Ground fee:

Prize details:

**SUBMIT**

Figure 3.43: Tournament creation

### 3.10.23 View tournament

Manager can view created tournament and edit if needed. He can also view request for tournament from user.

SI no	Starting date	Description	Ground fee	Prize details	
1	3/26/2021	for football-7's	10000	2000	<a href="#">Delete</a> <a href="#">Edit</a> <a href="#">View tournament request</a>

Figure 3.44: View tournament creation

Manager can edit tournament creation.

EDIT TOURNAMENT CREATION

Tournament name	<input type="text"/>
Starting date	<input type="text"/>
Description	<input type="text"/>
Ground fee	<input type="text"/>
Prize details	<input type="text"/>

SUBMIT

Figure 3.45: Edit tournament creation

Manager can view request for created tournament and can give any status whether it is accept or reject.

Sl no		User name	Phone number	Email	Team name	Requested date	
1		Rahul	9878767656	rah@gmail.com	Team fighter	03/05/2021	<a href="#">Approve</a> <a href="#">Reject</a>

Figure 3.46: View request for tournament

### 3.10.24 Tournament scheduling

Manager can add tournament schedule according to the request comes from he user for playing in tournament which are created by the user.

Tournament name	Date
Time	
Team name A	
Team name B	
<b>SUBMIT</b>	

Figure 3.47: Tournament scheduling

### 3.10.25 View tournament scheduling

Manager can view tournament schedule and can edit if needed.

SI no	Date	Time	Team name A	Team name B	
1	3/26/2021	2PM-9PM	Team1	Team2	<a href="#">Delete</a> <a href="#">Edit</a>

Figure 3.48: view tournament scheduling

### 3.10.26 View winner list

Manager can view winner list and can edit id needed.

SI no	Tournament name	Date	Winner team	Created user	
1	Fifa	3/26/2021	Team1	Anu	<a href="#">Edit</a>

Figure 3.49: View winner list

### **3.10.27 User Login Page**

This is the main page of Android application. User can login to their corresponding home page through this page.

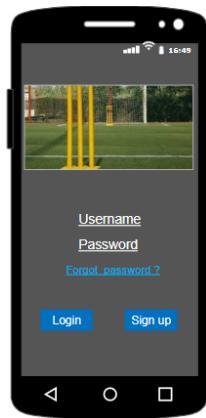


Figure 3.50: Login page

### **3.10.28 User sign up**

User can sign up and login into his android home page. This page include entering of personal information of user such as name, place, email, phone number etc.

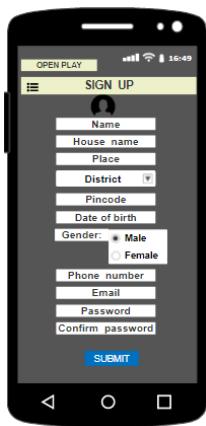


Figure 3.51: User sign up page

### **3.10.29 User homepage**

User can enter into his homepage after login to android app. He can view and request for court and membership. He can give complaint, reviews and ratings etc.

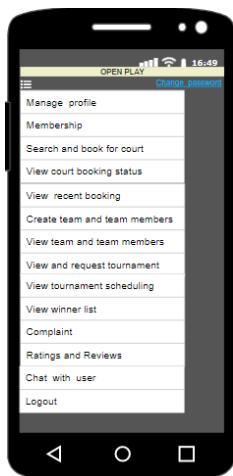


Figure 3.52: User homepage

### **3.10.30 View user profile**

User can view his profile after entering into his home page and can edit if needed.



Figure 3.53: View user profile

User can edit his profile id needed after entering into his home page .

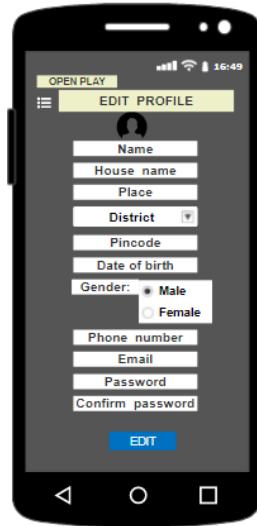


Figure 3.54: Edit user profile

### 3.10.31 Membership

User can request for membership of court and manager will be give any status if whether it is accept or reject.

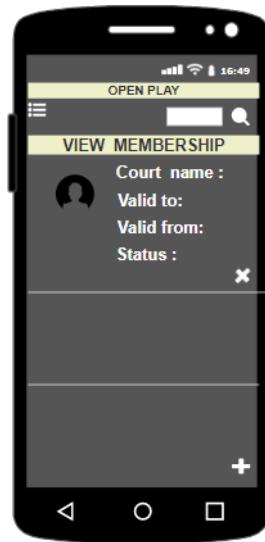


Figure 3.55: View membership

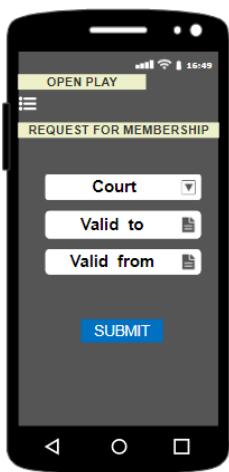


Figure 3.56: Request for membership

### 3.10.32 Search and book for court

User can search and book for court according to his wish.

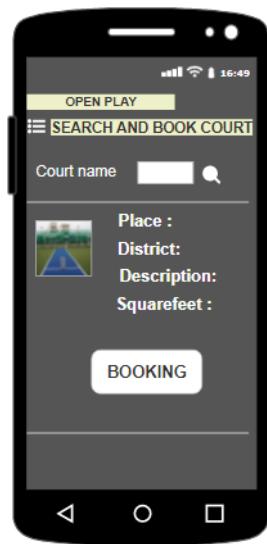


Figure 3.57: Search and book for court

When user click booking button, he can go to booking page and enter booking details.

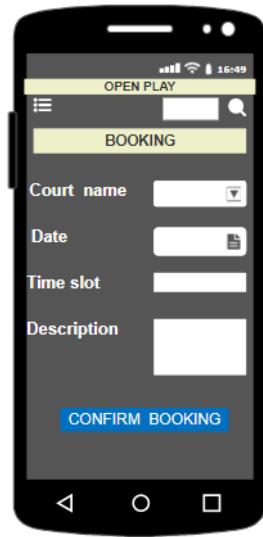


Figure 3.58: Booking of court

### 3.10.33 View booking status

User can view booking status whether manager accepted or rejected booking of court.



Figure 3.59: View booking status

### 3.10.34 Give reviews and ratings

User can view and add reviews and ratings about court.

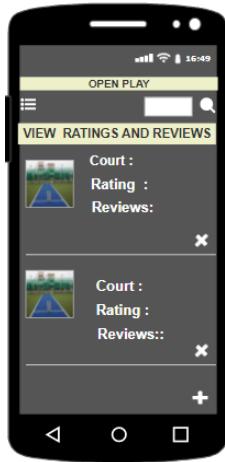


Figure 3.60: View and add reviews and ratings

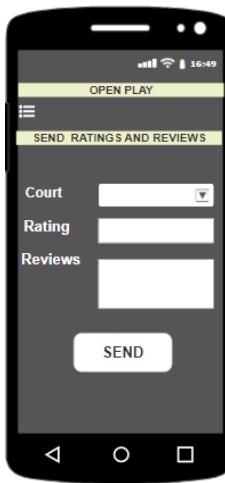


Figure 3.61: Add reviews and ratings

### **3.10.35 Send Complaint**

User can send complaint about the court.

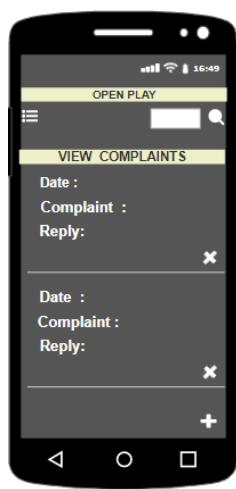


Figure 3.62: View and add complaint

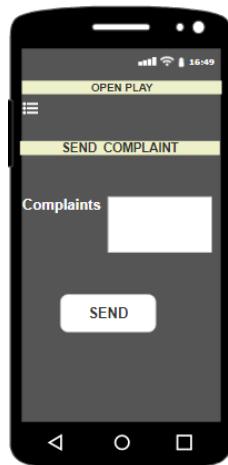


Figure 3.63: Add complaint

### **3.10.36 Create team**

User can create team and team members to participate in tournament which are conducted by the court.

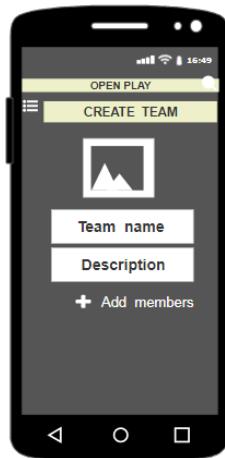


Figure 3.64: Create team

### **3.10.37 Add team members**

User can create team and team members to participate in tournament which are conducted by the court.

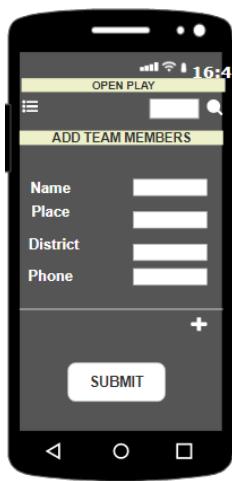


Figure 3.65: Add team members

### 3.10.38 View created team

User can view created team and edit if needed.

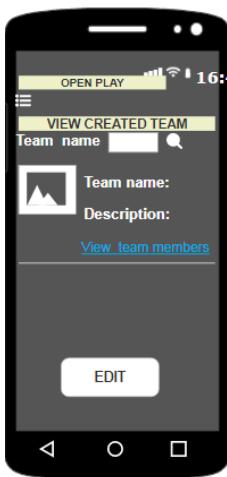


Figure 3.66: View created team

### 3.10.39 Edit created team

User can edit created team if needed.

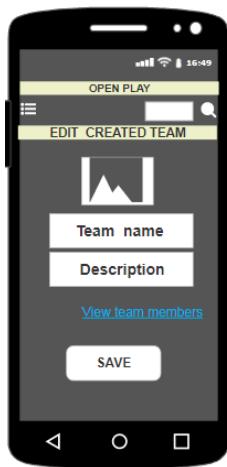


Figure 3.67: Edit created team

#### 3.10.40 View team members

User can view team members those who are included in the team for participating in tournament.

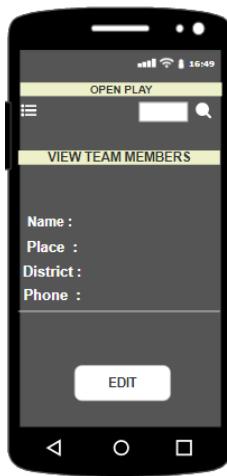


Figure 3.68: View team members

### **3.10.41 Edit team members**

User can edit team members those who are included in the team for participating in tournament.

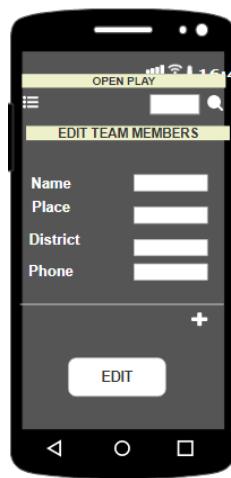


Figure 3.69: Edit team members

### **3.10.42 Request for tournament**

User can view and request for tournament which are created by the manager.

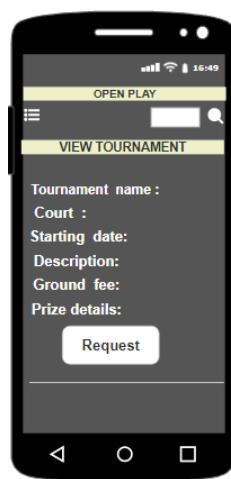


Figure 3.70: View tournament

### **3.10.43 View tournament request status**

User can view tournament request status which are approved by the manager.



Figure 3.71: View tournament request status

### **3.10.44 View tournament scheduling**

User can view tournament scheduling which are given by the manager.



Figure 3.72: View tournament scheduling

### **3.10.45 View winner list**

User can view winner list which are created by the manager.

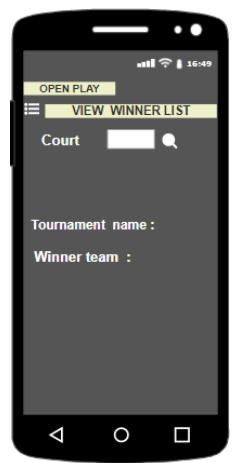


Figure 3.73: View winner list

## **3.11 Testing and Implementation**

### **3.11.1 Testing**

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
1	30/03/21	Admin/ Manager/User Home-page	Admin/Manager/User should be able to navigate corresponding pages from homepage	Admin/Manager/User is able to navigate corresponding pages from homepage	Yes
2	31/03/21	Manager registration	Admin should be able to register the Manager	Admin is able to register the Mechanic	Yes
3	31/03/21	View manager	Admin should be able to view Manager	Admin is able to view Manager	Yes
4	01/04/21	Court registration	Admin should be able to register the court	Admin is able to register the court	Yes
5	02/04/21	View court	Admin should be able to view court	Admin is able to view court	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
6	03/04/21	Manage profile	Manager should be able to manage profile	Manager is able to manage profile	Yes
7	04/04/21	Tournament creation	Manager should be able to create tournament	Manager is able to create tournament	Yes
8	05/04/21	View tournament creation	Manager should be able to view tournament	Manager is able to view tournament	Yes
9	06/04/21	Register done by user	User should be able to register to app	User is able to register to his app	Yes
10	07/04/21	View user	Admin should be able to view user	Admin is able to view user	Yes
11	09/04/21	View user profile	User should be able to manage profile	User is able to manage profile	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
12	09/04/21	Request for membership	User should be able to request for membership	User is able to request for membership	Yes
13	11/04/21	View membership	Manager should be able to view membership	Manager is able to view membership	Yes
14	14/04/21	View approved and rejected membership	Manager should be able to view approved and rejected membership	Manager is able to view approved and rejected membership	Yes
15	15/04/21	Search and book for court	User should be able to search and book for court	User is able to search and book for court	Yes
16	16/04/21	View court booking and allocation	Manager should be able to view court booking and give allocation	Manager is able to view court booking and give allocation	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
17	18/04/21	View booking and membership status	User should be able to view booking and membership status given by court manager	User is able to view booking and membership status given by court manager	Yes
18	19/04/2021	Add and view membership details	Admin should be able to add and view membership details	Admin is able to add and view membership details	Yes
19	20/04/2021	Send complaint	User should be able to send complaint	User is able to send complaint	Yes
20	20/04/2021	View complaint and give reply	Admin should be able to view complaint and give reply	Admin is able to view complaint and give reply	Yes
21	21/04/21	View reply	User should be able to view reply	User is able to view reply	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
22	22/04/21	Create team and add team members	User should be able to create team and add team members	User is able to create team and add team members	Yes
23	23/04/21	View created team and team members	User should be able to view created team and team members	User is able to view created team and team members	Yes
24	25/04/21	View and request for tournament	User should be able to view and request for tournament	User is able to view and request for tournament	Yes
25	27/04/21	View tournament request	Manager should be able to view tournament request	Manager is able to view tournament request	Yes
26	28/04/21	View tournament request status	User should be able to view tournament request status	User is able to view tournament request status	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
27	29/04/21	Tournament scheduling	Manager should be able to schedule tournament	Manager is able to schedule tournament	Yes
28	30/04/21	View tournament scheduling	Manager should be able to view tournament scheduling	Manager is able to view tournament scheduling	Yes
29	1/05/21	View tournament scheduling	User should be able to view tournament scheduling	User is able to view tournament scheduling	Yes
30	02/05/21	View court booking reports	Admin should be able to view court booking details	Admin is able to view court booking details	Yes
31	03/05/21	View tournament details	Admin should be able to view tournament details	Admin is able to view tournament details	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
32	04/05/21	View team and team members	Admin should be able to view team and team members	Admin is able to view team and team members	Yes
33	05/05/21	View accepted booking and add cash entry	Manager should be able to view accepted booking and add cash entry	Manager is able to view accepted booking and add cash entry	Yes
34	06/05/21	View cash entry	Manager should be able to view cash entry	Manager is able to view cash entry	Yes
35	07/05/21	Add expense entry	Manager should be able to add expense	Manager is able to add expense	Yes
36	08/05/21	View expense entry	Manager should be able to view expense	Manager is able to view expense	Yes
37	09/05/21	View month income	Admin should be able to view month income	Admin is able to view income	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass? (Yes/No)</b>
38	12/05/21	Winner list creation	Manager should be able to create winner list	Manager is able to create winner list	Yes
39	13/05/21	View winner list	Manager/User should be able to view winner list	Manager/User is able to view winner list	Yes
40	15/05/21	Add reviews and ratings	User should be able to add reviews and ratings	User is able to add reviews and ratings	Yes
41	16/05/21	View reviews and ratings	Admin should be able to view reviews and ratings	Admin is able to view reviews and ratings	Yes
42	18/05/21	Chat with user	User should be able to chat with user	User is able to chat with user	Yes

<b>Test</b>	<b>Date</b>	<b>Action</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Pass?</b> <b>(Yes/No)</b>
43	20/05/21	Login	Admin/Manager/User should be able to login corresponding pages	Admin/Manager/User is able to login corresponding pages	Yes
44	21/05/21	Public view court	Public should be able to view court	Public is able to view court	Yes
45	22/05/21	Forgot password	User should be able to get password	User is able to get password	Yes
46	23/05/21	Change password	Admin/Manager should be able to change password	Admin/Manager is able to change password	Yes

Table 3.27: Test case

### **3.11.2 Implementation**

After testing, the next phase is Implementation. The proposed system is ready for the implementation. Implementation is the realization of an app or execution of a plan, ideas, model, design, specification, standard, algorithm or policy. System implementation phase is the phase, involves the process of converting a new system design into an operational one. The proposed system is Open Play - A Sports Venue Management App. It includes a web application for Admin, Manager and android application for User.

To implement this system, admin and manager need a personal computer to host an web application. For hosting an web application, first of all choose web hosting provider means web domain for open-play project. This web hosting provider provides web space (which means web servers) which store website files of project, as well as technologies and services that are needed for website to be viewed on the internet. Stored file can't exceed the size. Project's website can be host in "http://in.000webhost.com". This site is free to host and it has free and paid version. Free versions have some limitation to access and need to pay an dollar amount for paid version. The website uploaded to server can be accessed by anyone with a particular domain name.

User needs a android smart phone to use this android application that can be install from play store after creating an account in play store. For uploading an android app in play store, first of all need to signed up in google play console and be a play publisher in console. After sign up, sign in google play console and click on create application. Then enter the title of project that is Open play and enter the descriptions and related details according to open play such as screenshot, icon, graphic, videos of open play application. Title can be only maximum 50 characters. Then, upload APK file or app bundle files of the project (Google Play store's maximum size for an APK is 100MB). Then set app's content rating by entering the valid email address and can get a total rating of project by clicking calculate rating and can do further following steps. Next step is pricing and distribution.

Then can publish app in play store and can download from play store using an android smartphone.

# **Chapter 4**

## **RESULTS AND DISCUSSION**

### **4.1 Result**

The Open Play - A Sports Venue Management App was developed with proper planning and guidance. Agile methodology is used during the development of this project. Planning at each stage was done properly. Each sprint has been conducted as per protocol or schedule. Testing was performed at each stage of development. Main aim of this project is, to handle two or more turfs or courts for a particular turf owned person/admin/proprietor. Admin is the owner of multiple branch of turfs. Owner can handle all details of his branches of court or turf. User can find out availability slot easily and very quickly using his android application.

Admin can view court booking(fig:4.1) and monthly income(fig:4.2) of the court. Court booking report contains details of user such as photo, username, email, phone number, date that they have booked along with time slot and type of booking. This can be viewed by selecting date and court name. Time slot are displayed by ascending order.

Date	31-05-2021	Court Name	Bigsoccer	Search
Sl no	User info	Date	Time slot	Type
1	Fathima Thani fathimathani123@gmail.com 9446763706	31/05/2021	6am-7am	Football 5's
2	anu anu@gmail.com 8987676567	31/05/2021	3pm-4pm	Football 7's

Figure 4.1: View court booking reports

Admin can view monthly income of tournament, cash, membership and expense of court given by the manager of specified court by selecting the year. This page include other details such as court name, manager name, month and total amount as income. Income can be calculated as follows:

$$\text{Monthly income} = \text{Cash} + \text{Tournament} + \text{Membership} - \text{Expense}$$

where,

Cash means cash amount of the booking that are done by the user.

Tournament means total amount of tournament that are collected by court manager.

Membership means total membership amount that are collected by the manager.

Expense means total expense amount of the court. Expense include all type of maintenance that have done in the court.

**MONTHLY INCOME REPORT**

Year	2021							
Sl no	Courtname	Manager name	Month	Cash amount	Membership amount	Tournament amount	Expense amount	Income
1	Bigsoccer	Thani	january	0	0	0	0	0
2	Bigsoccer	Thani	febraury	0	0	0	0	0
3	Bigsoccer	Thani	March	0	0	0	0	0
4	Bigsoccer	Thani	April	0	0	0	0	0
5	Bigsoccer	Thani	May	3400	3600	3000	3150	6850
6	Bigsoccer	Thani	June	3500	0	0	3300	200
7	Bigsoccer	Thani	July	0	0	0	0	0

Figure 4.2: View monthly income reports

# **Chapter 5**

## **CONCLUSION**

We know that sports are generally liked by almost all the children whether girls or boys. OPEN PLAY - a sports venue management app project's main advantage is to handle two or more turfs or courts for a particular turf owned person/admin/proprietor. This project proposes the automation of the big soccer court. Admin is the owner of multiple branch of turfs, who can handle all details of his branches of court or turf. The main advantage of these proposed system is turf booking can be done just by sitting at home. It will save time that is availability of all turf details at a single platform. And easy to access the system anywhere and anytime. This project include three entities namely, Admin, Manager and User. Admin and Manager use web application and User use android application. In future, this project can modify by adding online payment system for users and tournament schedule can be generate automatically which are different from current system.

## 5.1 References

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## 5.2 Appendix

### 5.2.1 Source code

- **Court booking**

```
package com.example.openplay;

//import all classes that we use in court booking
import androidx.appcompat.app.AppCompatActivity;
import android.app.DatePickerDialog;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.preference.PreferenceManager;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.CompoundButton;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.DefaultRetryPolicy;
import com.android.volley.Request;
```

```

import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;
import com.android.volley.toolbox.Volley;
import org.json.JSONArray;
import org.json.JSONObject;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.HashMap;
import java.util.Locale;
import java.util.Map;

//Main class courtbooking
public class courtbooking extends AppCompatActivity implements View.OnClickListener, AdapterView.OnItemSelectedListener, CompoundButton.OnCheckedChangeListener {

    //declare variables
    EditText e_date;
    Button b1;
    Spinner e_description, s1;
    TextView t1;
    CheckBox c1;

```

```

//Spinner types are given here as null string, available
string are give in null string

String[] type={"Football 7's","Football 11's","Cricket"};
String[] avl_slot;
String sel_slot="",sel_type="";

//This class are used for going to back from this page
to homepage, when pressed back
public void onBackPressed() {
Intent i=new Intent(getApplicationContext(),Home.class);
startActivity(i);
}

//Used to check out whether slot is availabe or not
public void checkslot(){
SharedPreferences sh = PreferenceManager.getDefaultShared
Preferences(getApplicationContext());
String hu = sh.getString("ip", "");
String url = "http://" + hu + ":8000/myapp/check_slotstatus/";
RequestQueue requestQueue = Volley.newRequestQueue
(getApplicationContext());
StringRequest postRequest = new StringRequest(Request.
Method.POST, url,
new Response.Listener<String>() {
@Override
public void onResponse(String response) {

```

```

// here, the available data will be view in spinner and
can be select any time slot that are view in the spinner.

try {

JSONObject jsonObj = new JSONObject(response);

if (jsonObj.getString("status").equalsIgnoreCase("ok")) {

JSONArray js= jsonObj.getJSONArray("data");

avl_slot=new String[js.length()];

for(int i=0;i<js.length();i++)

{

JSONObject u=js.getJSONObject(i);

avl_slot[i]=u.getString("slot");

}

// Item can be selected from array adapter as single
by using simple_list_item_1

ArrayAdapter<String> ad=new ArrayAdapter<String>

(getApplicationContext(), android.R.layout.

simple_list_item_1, avl_slot);

s1.setAdapter(ad);

} }

else {

//When there have unavailability of data, a toast message
will be print out as not found

Toast.makeText(getApplicationContext(), "Not found",

Toast.LENGTH_LONG).show();

}

} catch (Exception e) {

```

```

Toast.makeText(getApplicationContext(), "Error"
+e.getMessage().toString(), Toast.LENGTH_SHORT).show();
} } },
new Response.ErrorListener() {
@Override
public void onErrorResponse(VolleyError error) {
// This is errr checking toast message
Toast.makeText(getApplicationContext(), "eeeeee" +
error.toString(), Toast.LENGTH_SHORT).show();
} }) {
@Override
protected Map<String, String> getParams() {
SharedPreferences sh = PreferenceManager.getDefaultShared
Preferences
(getApplicationContext());
Map<String, String> params = new HashMap<String, String>();

params.put("date", e_date.getText().toString());
params.put("cid", sh.getString("sel_courtid", ""));
return params;
} };
int MY_SOCKET_TIMEOUT_MS = 100000;
postRequest.setRetryPolicy(new DefaultRetryPolicy(
MY_SOCKET_TIMEOUT_MS,
DefaultRetryPolicy.DEFAULT_MAX_RETRIES,
DefaultRetryPolicy.DEFAULT_BACKOFF_MULT));

```

```

requestQueue.add(postRequest);}

@Override

protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_courtbooking);

// Assign local variables to components such as for
spinner,checkbox,textview etc
e_description=(Spinner) findViewById(R.id.
editTextTextPersonName21);

ArrayAdapter<String> ad=new ArrayAdapter<String>
(getApplicationContext(), android.R.layout.
simple_list_item_1,type);
e_description.setAdapter(ad);
e_description.setOnItemSelectedListener(this);

t1=(TextView)findViewById(R.id.textView56);
c1=(CheckBox)findViewById(R.id.checkBox);

//Terms and condition that can view by user and they
need to accept this and check the checkbox and
can submit the button to book the court.

String rules="1.Please select booking type\n2.
Select
needed date and you will view the availability slot
of the court\n" +
"3.If you remove or cannot reach, you need to pay an amount";

```

```

t1.setText(rules);

e_date=(EditText)findViewById(R.id.editTextTextPersonName22);

final Calendar myCalendar = Calendar.getInstance();

final DatePickerDialog.OnDateSetListener date = new

DatePickerDialog.OnDateSetListener() {

    @Override

    public void onDateSet(DatePicker view, int year, int

    monthOfYear,

    int dayOfMonth) {

        //date time picker display code

        myCalendar.set(Calendar.YEAR, year);

        myCalendar.set(Calendar.MONTH, monthOfYear);

        myCalendar.set(Calendar.DAY_OF_MONTH, dayOfMonth);

        String myFormat = "yyyy-MM-dd"; //In which you need put here

        SimpleDateFormat sdf = new SimpleDateFormat(myFormat,

        Locale.US);

        e_date.setText(sdf.format(myCalendar.getTime()));

        checkslot();

    }};

    e_date.setOnClickListener(new View.OnClickListener() {

        //Onclick class for views

        @Override

        public void onClick(View v) {

```

```

DatePickerDialog dialog = new DatePickerDialog(courtbooking.
this,date, myCalendar.get(Calendar.YEAR), myCalendar.get
(Calendar.MONTH), myCalendar.get(Calendar.DAY_OF_MONTH));
Calendar calendar = Calendar.getInstance();
dialog.getDatePicker().setMinDate(calendar.getTimeInMillis());
//show currrent date as minimum
dialog.show();
} );
s1=(Spinner)findViewById(R.id.spinner3) ;
b1=(Button)findViewById(R.id.button8);
b1.setEnabled(false);
b1.setOnClickListener(this);
c1.setOnCheckedChangeListener(this);
s1.setOnItemSelectedListener(this);
}

@Override
public void onClick(View v) {
//validation of date
int f = 0;
if (e_date.getText().toString().equalsIgnoreCase("")) {
e_date.requestFocus();
e_date.setError("Please select date");
f++;
}
if (f == 0) {

```

```

final String date = e_date.getText().toString();

SharedPreferences sh = PreferenceManager.
getSharedPreferences
(getApplicationContext());

String hu = sh.getString("ip", "");

String url = "http://" + hu + ":8000/myapp/user_courtbooking/";

RequestQueue requestQueue = Volley.newRequestQueue
(getApplicationContext());

StringRequest postRequest = new StringRequest(Request
.Method.POST, url,
new Response.Listener<String>() {
    @Override
    public void onResponse(String response) {
        try {
            JSONObject jsonObj = new JSONObject(response);
            if (jsonObj.getString("status").equalsIgnoreCase("ok")) {
                Showing success toast message
                Toast.makeText(getApplicationContext(), "Success",
                Toast.LENGTH_LONG).show();
                Intent i = new Intent(getApplicationContext()
                ,membership.class);
                startActivity(i);
            }
        } else {
            Toast.makeText(getApplicationContext(), "Not found",

```

```

Toast.LENGTH_LONG).show();
} } catch (Exception e) {
    Toast.makeText(getApplicationContext(), "Error" + e.
        getMessage().toString(), Toast.LENGTH_SHORT).show();
} } ,
new Response.ErrorListener() {
    @Override
    public void onErrorResponse(VolleyError error) {
        // toast error message for checking the code
        Toast.makeText(getApplicationContext(), "eeeeee"
            + error.toString(), Toast.LENGTH_SHORT).show();
    }
} ) {
    @Override
    protected Map<String, String> getParams() {
        SharedPreferences sh = PreferenceManager.getDefault
        SharedPreferences(getApplicationContext());
        Map<String, String> params = new HashMap<String, String>();
        // Used for passing value to pychram codes.
        params.put("description", sel_type);
        params.put("date", date);
        params.put("timeslot", sel_slot);
        params.put("lid", sh.getString("lid", ""));
        params.put("courtid", sh.getString("sel_courtid", ""));
        return params;
    }
}

```

```

} } ;

int MY_SOCKET_TIMEOUT_MS = 100000;

postRequest.setRetryPolicy(new DefaultRetryPolicy(
MY_SOCKET_TIMEOUT_MS,
DefaultRetryPolicy.DEFAULT_MAX_RETRIES,
DefaultRetryPolicy.DEFAULT_BACKOFF_MULT));
requestQueue.add(postRequest);

} }

@Override

public void onItemSelected(AdapterView<?> parent, View
view, int position, long id) {

if (parent==s1) {

sel_slot=avl_slot[position];

Toast.makeText(getApplicationContext(), sel_slot,
Toast.LENGTH_SHORT).show();

}

if(parent==e_description) {

sel_type=type[position];

Toast.makeText(getApplicationContext(), sel_type,
Toast.LENGTH_SHORT).show();

}

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

@Override

public void onCheckedChanged(CompoundButton buttonView,

```

```

boolean isChecked) {
    if (isChecked==true) {
        b1.setEnabled(true);
    }
    if(isChecked==false) {
        b1.setEnabled(false);
    } } }
```

- **Add tournament schedule**

```

// This page are used for scheduling the team, those who
are participating in tournament.

{%
    extends "colors_manager.html"
    block body
    load static
}

<div class="ibox">
    <div class="ibox-head">
        <div class="ibox-title">ADD TOURNAMENT SCHEDULE</div>
        <div class="ibox-tools">
            <a class="ibox-collapse"><i class="fa fa-minus"></i></a>
        </div>
    </div>
    <div class="ibox-body">
        <div class="row">
            <div class="col-lg-12">
                // form action include mngr_adttourschedulenew function ,
                which are described in views
                <form action="/myapp/mngr_adttourschedulenew/" method="post">
```

```


| Tournament name | <select name="tr" required id="tour" class="form-control">                 //list out the tournament name that are created by                 the court manager                 {%                     for i in data %                 <option value="{{ i.id }}">{{ i.tournamentname }}</option>                 {%                     endfor %                 </select></td> |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Round           | <select name="round" id="round" class="form-control">                 <option>select</option>                 <option value="1">Round 1</option>                 <option value="2">Round 2</option>                 <option value="3">Semi final</option>                 <option value="4">Finals</option>             </select></td>                                           |
| Date            | <input name="date" type="date" id="sdate" class="form                                                                                                                                                                                                                                                                                                                            |


```

```

-control" required/></td>
</tr>

<tr>
 TimeTeam ATeam B<input name="submit" type ="submit" value="Submit" class="btn btn-success"/> </td></tr> </table></form></div></div></div></div> <script src="{% static 'jquery.min.js' %}"></script> <script> |
```

```

$( "#tr3" ).hide();
$( "#tr4" ).hide();

//initialize tournament , round as null
var tourid="";
var sel_t1="";
var round="";
$('#tour').change(function () {
tourid = $(this).val();
});

$('#round').change(function () {
round = $(this).val();
ajax court of mngr_viewteam are shown here
$.ajax({
url: "/myapp/mngr_viewteam/"+tourid+"/"+round,
type: "get",
data: {},
contentType: "application/json; charset=utf-8",
dataType: "json",
success: function(dat) {
var data=dat["data"];
var len =data.length;
$("#t1").text("");
$("#t2").text("");
$("#t1").append('<option>select</select' );
$("#t2").append('<option>select</select' );
}
});
});

```

```

//forloop start from here

for (var i = 0; i < len; i++) {
    var tid = data[i]['teamid']
    var tname=data[i]['teamname']
    var group=data[i]['group']

    $("#t1").append('<option value="' + tid + '">' + tname +
    '</option>')
}

},error: function(ts) {
} });
});

$('#t1').change(function () {
sel_t1 = $(this).val();

//ajax code for listing the remaining team name
$.ajax({
url: "/myapp/mngr_view_remaning_team/" + tourid+ "/" +
+round+ "/" +sel_t1,
type: "get",
data: {},
contentType: "application/json;charset=utf-8",
dataType: "json",
success: function (dat) {
var data = dat["data"];
var len = data.length;
$("#t2").empty();
$("#t2").append('<option>select</select' );
for (var i = 0; i < len; i++) {
var tid = data[i]['teamid']

```

```

var tname=data[i]['teamname']
var group=data[i]['group']

$("#t2").append('<option value="' + tid + '">' +
tname + '</option>')},
error: function (ts) { } );});}

</script><script>

//date validation

var today = new Date();

var dd = today.getDate();

var mm = today.getMonth()+1; //January is 0!

var yyyy = today.getFullYear();

if(dd<10){

dd='0'+dd}

if(mm<10){

mm='0'+mm}

today = yyyy+'-'+mm+'-'+dd;

document.getElementById("sdate").setAttribute("min", today);

</script>

{%- endblock %}

```

### **5.2.2 Screenshot**

- **Login Page**

By using Login page, Admin and Manager can login to homepage through web application. They can enter email and password to enter their page.

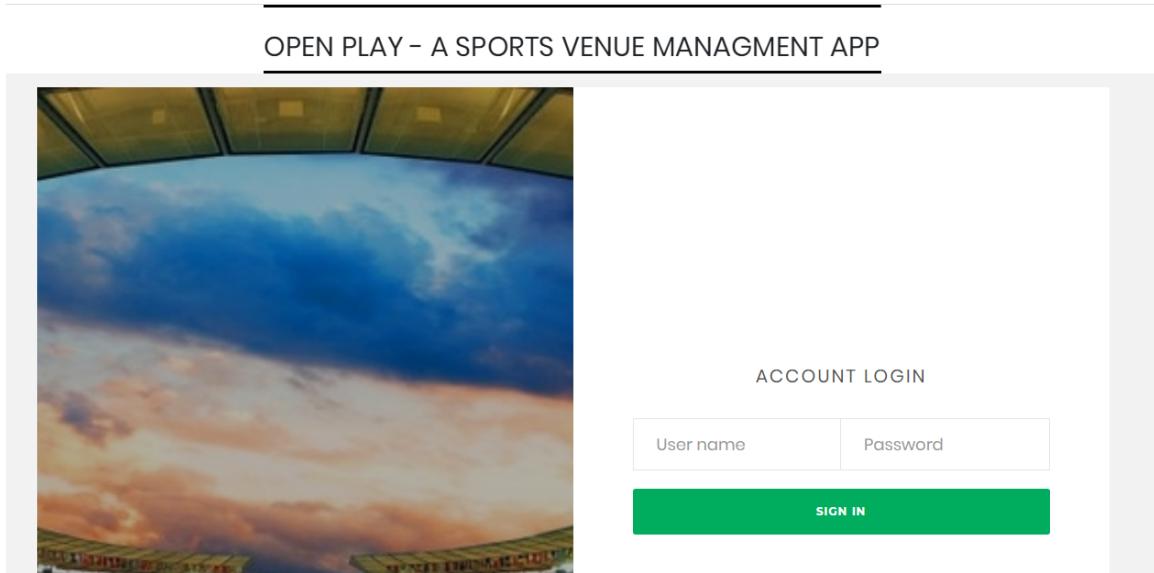


Figure 5.1: Login Page

- **Admin Home page**

Admin can view his homepage by entering to his page. He can access and manage his account by this web application. He can register court and manager. He can view court, manager, complaint and can give reply, view reports and add membership package.

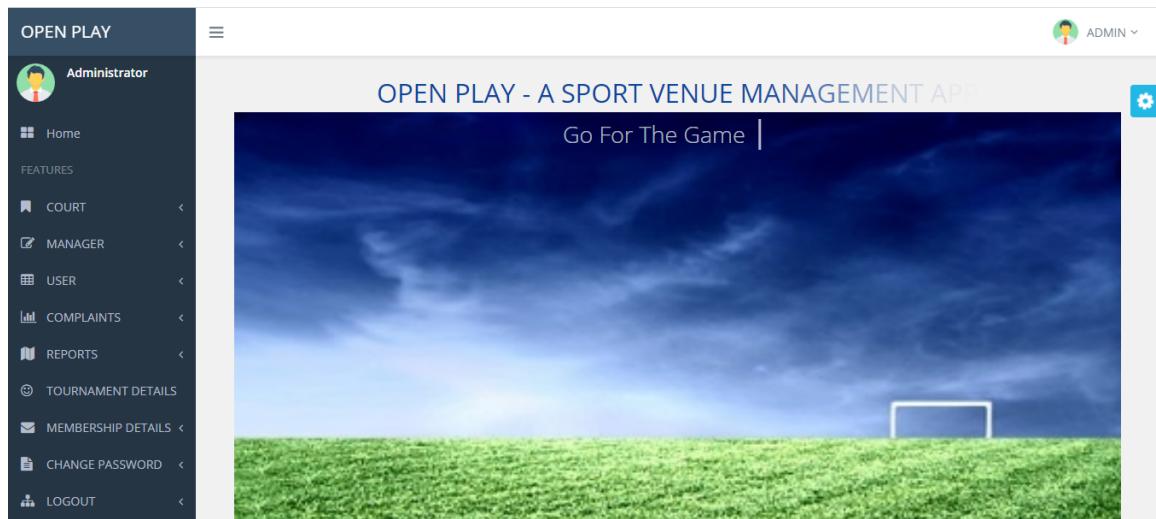


Figure 5.2: Admin home page

- **Court registration**

Admin can register his owned court with court details such as court name, place, district, description, square feet and photo.

The screenshot shows the 'COURT REGISTRATION' form. The sidebar on the left is identical to Figure 5.2. The main form has the title 'COURT REGISTRATION' at the top. It contains the following fields:

Court name	<input type="text"/>
Place	<input type="text"/>
District	<input type="text" value="Calicut"/>
Description	<input type="text"/>
Square feet	<input type="text"/>
Photo	<input type="file" value="Choose File"/> No file chosen

A green 'Submit' button is located at the bottom right of the form area.

Figure 5.3: Court registration

- **View Court**

Admin can view registered court with average rating that are given by user by selecting courtname. Admin can edit the court if needed. He can view rating and reviews to corresponding court by clicking the reviews and rating button.

Sl no	Court Name	Place	District	Square feet	Average Rating	Edit	Delete	Rating and Reviews
1	Bigsoccer	Thamarassery	Calicut	1200	2.0	<button>Edit</button>	<button>Delete</button>	<button>Rating and Reviews</button>
2	Raben	Koduvally	Kannur	1000	5.0	<button>Edit</button>	<button>Delete</button>	<button>Rating and Reviews</button>
3	Zita	parappanpoil	Calicut	1300	0	<button>Edit</button>	<button>Delete</button>	<button>Rating and Reviews</button>
4	Marca	kochi	Ernakulam	900	0	<button>Edit</button>	<button>Delete</button>	<button>Rating and Reviews</button>
5	Lakane soccer	perinthalmanna	Malappuram	1000	0	<button>Edit</button>	<button>Delete</button>	<button>Rating and Reviews</button>

Figure 5.4: View Court

- **Edit Court**

Admin can edit registered court if needed by viewing court details such as court name, place, district, description, square feet and photo.

Court name	Bigsoccer
Place	Thamarassery
District	Calicut
Description	Include both football and cricket
Square feet	1200
Photo	Choose File   No file chosen
<input type="button" value="Submit"/>	

Figure 5.5: Edit Court

- **View rating and reviews**

Admin can view rating and reviews of registered court that are given by the user by selecting from and to date. He can view user details such as user name, email, phone number, court name, rating, reviews, date.

SL no	User Info	Court name	Ratings	Reviews	Date
1	anu anu@gmail.com 8987676567	Bigsoccer	2.0	need to improve	May 29, 2021
2	Fathima Thani fathimathan123@gmail.com 9446763706	Bigsoccer	5.0	nice facilities	May 30, 2021

Figure 5.6: View rating and reviews

- **Manager registration**

Admin can register manager to registered court which includes name, house name, place, district, email, court, phone number, pincode, photo. Each court have each manager.

Figure 5.7: Manager registration

- **View manager**

Admin can view registered manager with managers details by selecting manager name. This page include photo, name, court , phone number and a view more button which shows other details and can edit and delete manager if needed.

Sl no		Name	Court	Phone	
1		Thani	Bigsoccer	9898787678	<button>View more</button>
2		Dhami	Raben	7896909878	<button>View more</button>
3		rahul	Zita	8900023231	<button>View more</button>
4		arun	Marca	9447009898	<button>View more</button>
5		sree	Lakane soccer	8909090600	<button>View more</button>

Figure 5.8: View manager

- **Edit manager**

Admin can view and edit registered manager if needed. This page include the manager details such as manager name, house name, place, district, pincode, date of birth, phone number, court, email and photo.

The screenshot shows a user interface for managing a manager. On the left is a dark sidebar with a navigation menu. The 'MANAGER' option is selected and highlighted in blue. The main content area is titled 'VIEW MANAGER'. It contains a form with the following data:

Name	Thani
Housename	Thanathil
Place	Thamarassery
District	Calicut
Pincode	673573
Date of birth	05/05/1998
Phone number	9898787678
Email	fathimathan123@gmail.com
Court	Bigsoccer

Figure 5.9: Edit manager

- **View user**

Admin can view registered user with user's details such as name, place, district, date of birth, gender, phone, email and photo. Admin can view large size of the user.

The screenshot shows the 'View User' section of the application. At the top, there is a search bar with 'User name' and a 'Search' button. Below the search bar is a table with columns: Sl no, Name, Place, District, Date Of Birth, Gender, Phone, and Email. The table contains five rows of data.

Sl no	Name	Place	District	Date Of Birth	Gender	Phone	Email
1	anu	parappanpoyil	Calicut	May 29, 1999	Male	8987676567	anu@gmail.com
2	jamshi	kunnamaghalam	Malappuram	May 14, 1998	Female	8767654565	jamsheenakallai@gmail.com
3	Fathima Thani	Thamarassery	Calicut	May 5, 1998	Female	9446763706	fathimathani123@gmail.com
4	Dhami	moozhikkal	Kasargod	Nov. 8, 1997	Female	7898900989	dhami@gmail.com
5	Sree	kuutikatoor	Trivandrum	Nov. 14, 1998	Female	8967454446	sreerekhaps98@gmail.com

Figure 5.10: View User

- **View complaint and give reply**

Admin can view complaint and give reply to user by selecting from and to date. Status pending complaint details will be viewed at the top of the list and reply button will be replace by reply message that are given by the admin to corresponding complaint.

The screenshot shows the 'View Complaint' section of the application. At the top, there is a search bar with 'From' set to '01-05-2021' and 'To' set to '30-06-2021', along with a 'Search' button. Below the search bar is a table with columns: Sl no, User Info, Complaint, Date, Status, and Reply. The table contains four rows of data.

Sl no	User Info	Complaint	Date	Status	Reply
1	anu anu@gmail.com 8987676567	not good facilities	29/05/2021	pending	<button>Reply</button>
2	Fathima Thani fathimathani123@gmail.com 9446763706	not good approach of manager	30/05/2021	pending	<button>Reply</button>
3	Fathima Thani fathimathani123@gmail.com 9446763706	need to imprve	04/06/2021	pending	<button>Reply</button>
4	anu anu@gmail.com 8987676567	need to improve	29/05/2021	replied	ok...

Figure 5.11: View complaint

- **Send reply**

Admin can send reply to corresponding complaint given by the registered user.

The screenshot shows a 'Give Reply' interface. On the left is a sidebar with 'OPEN PLAY' at the top, followed by 'Administrator' and a navigation menu with 'Home', 'FEATURES', 'COURT' (selected), 'Court Registration', 'View Court', 'MANAGER', 'USER', and 'COMPLAINTS'. On the right, under 'GIVE REPLY', there are two text input fields: 'Complaint' containing 'not good approach of manager' and 'Reply' containing 'will make better'. A green 'Submit' button is at the bottom right of the form area.

Figure 5.12: Send reply

- **View court booking details**

Admin can view court reports with user details such as username, email, phone number, date, timeslot and type. Admin can view report by selecting date and court name.

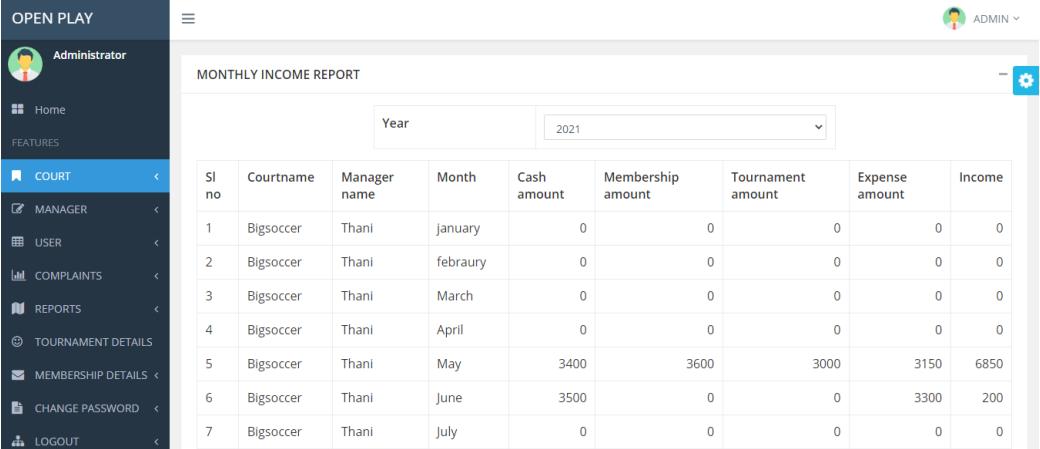
The screenshot shows a 'COURT BOOKING' page. The sidebar includes 'OPEN PLAY', 'Administrator', 'Home', 'FEATURES', 'COURT', 'MANAGER', 'USER', 'COMPLAINTS' (selected), 'REPORTS', 'TOURNAMENT DETAILS', 'MEMBERSHIP DETAILS', 'CHANGE PASSWORD', and 'LOGOUT'. The main area has a search bar with 'Date' set to '31-05-2021', 'Court Name' set to 'Bigsoccer', and a 'Search' button. Below is a table with columns: Sl no, User info, Date, Time slot, and Type. Two entries are listed:

Sl no	User info	Date	Time slot	Type	
1		Fathima Thani fathimathani123@gmail.com 9446763706	31/05/2021	6am-7am	Football 5's
2		anu anu@gmail.com 8987676567	31/05/2021	3pm-4pm	Football 7's

Figure 5.13: View court booking details

- **View monthly income report**

Admin can view monthly income which include tournament, cash, expense and membership amount.



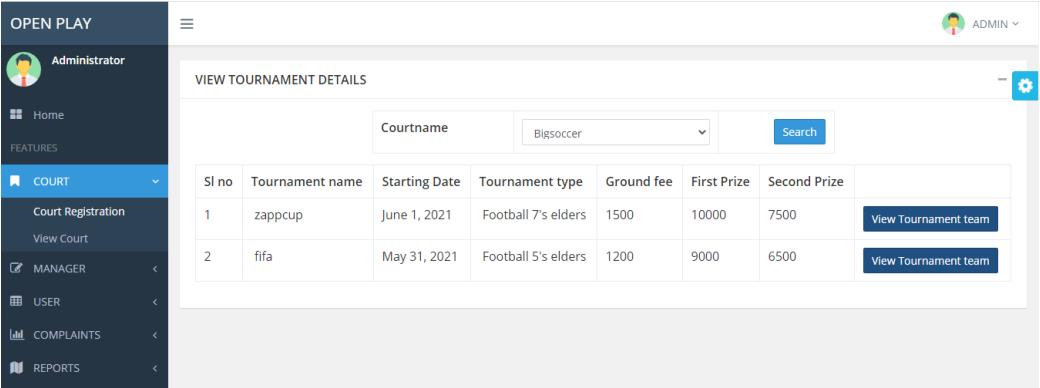
The screenshot shows a web-based application interface for an administrator. On the left is a sidebar with a dark blue header 'OPEN PLAY' and a profile icon for 'Administrator'. Below the header are sections for 'FEATURES' (Home, COURT, MANAGER, USER, COMPLAINTS, REPORTS, TOURNAMENT DETAILS, MEMBERSHIP DETAILS, CHANGE PASSWORD, LOGOUT) and a 'COURT' section expanded to show 'Court Registration' and 'View Court'. The main content area has a title 'MONTHLY INCOME REPORT' and a dropdown menu set to 'Year' with '2021' selected. A table below lists monthly income details:

Sl no	Courtname	Manager name	Month	Cash amount	Membership amount	Tournament amount	Expense amount	Income
1	Bigsoccer	Thani	january	0	0	0	0	0
2	Bigsoccer	Thani	febraury	0	0	0	0	0
3	Bigsoccer	Thani	March	0	0	0	0	0
4	Bigsoccer	Thani	April	0	0	0	0	0
5	Bigsoccer	Thani	May	3400	3600	3000	3150	6850
6	Bigsoccer	Thani	June	3500	0	0	3300	200
7	Bigsoccer	Thani	July	0	0	0	0	0

Figure 5.14: View monthly income report

- **View Tournament details**

Admin can view tournament details along with team and team members those who are participate in tournament.



The screenshot shows a web-based application interface for an administrator. The sidebar is identical to Figure 5.14. The main content area has a title 'VIEW TOURNAMENT DETAILS' and a search bar with 'Courtnamne' set to 'Bigsoccer' and a 'Search' button. A table below lists tournaments:

Sl no	Tournament name	Starting Date	Tournament type	Ground fee	First Prize	Second Prize	
1	zappcup	June 1, 2021	Football 7's elders	1500	10000	7500	<a href="#">View Tournament team</a>
2	fifa	May 31, 2021	Football 5's elders	1200	9000	6500	<a href="#">View Tournament team</a>

Figure 5.15: View Tournament details

- **View Tournament team**

Admin can view tournament team , who are participate in tournament.

The screenshot shows a web application interface for managing tournament teams. On the left is a dark sidebar with a user icon and the title 'OPEN PLAY'. Below it are several menu items under 'FEATURES': Home, COURT (which is highlighted in blue), Court Registration, View Court, MANAGER, USER, COMPLAINTS, and REPORTS. At the bottom of the sidebar are links for Tournament Details and Help. The main content area has a header 'VIEW TOURNAMENT TEAM'. Below it is a table with the following data:

Sl no	Team name	Description	Action
1	runup	football	<a href="#">View Team Members</a>
2	besties	5	<a href="#">View Team Members</a>
3	champions 2.0	byccjgbun	<a href="#">View Team Members</a>
4	football players	5s	<a href="#">View Team Members</a>

Figure 5.16: View Tournament team

- **View Tournament team members**

Admin can view team members corresponding to each team, those who are participate in tournament.

The screenshot shows a web application interface for viewing tournament team members. The sidebar and menu structure are identical to Figure 5.16. The main content area has a header 'VIEW TOURNAMENT TEAM MEMBERS'. Below it is a table with the following data:

Sl no	Name	Place	District	Phone
1	arun	thamarassery	calicut	9876567898
2	rahul	kodvally	calicut	7890898767

Figure 5.17: View Tournament team members

- **Add membership package**

Admin can add membership package type that are initiate in the court and admin can edit the amount if needed.

Duration	Select
Amount	<input type="text"/>

Figure 5.18: Add membership package

- **View membership package**

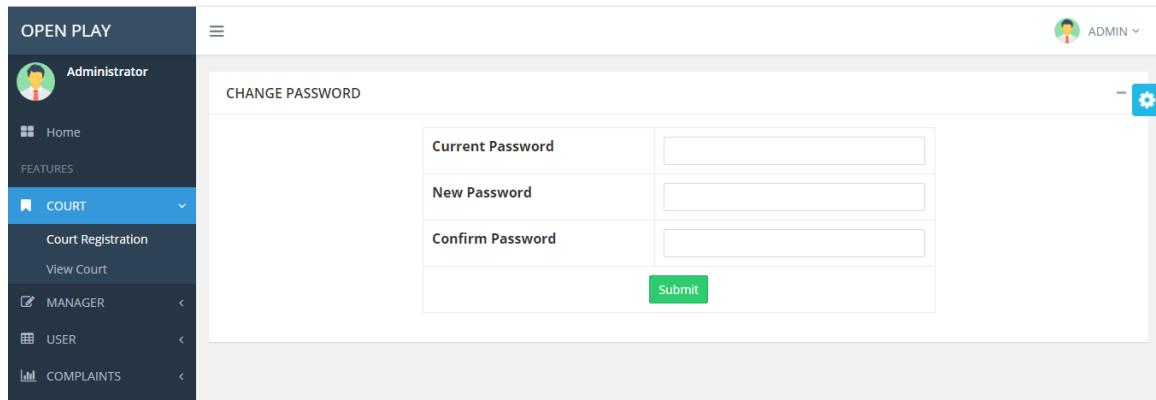
Admin can view membership package type that are added by him and he can delete the amount if needed.

Sl no	Duration	Amount	
1	1 month(30 days)	850	<button>Delete</button>
2	3 month(90 days)	2000	<button>Delete</button>
3	6 month(180 days)	5000	<button>Delete</button>
4	1 year(365 days)	10000	<button>Delete</button>

Figure 5.19: View membership package

- **Change password**

Admin can change password if needed by entering current, new and confirm password.



The screenshot shows the 'CHANGE PASSWORD' form within the 'OPEN PLAY' web application. The left sidebar is for an 'Administrator' user, showing options like Home, FEATURES, COURT (selected), Court Registration, View Court, MANAGER, USER, and COMPLAINTS. The main content area has a header 'CHANGE PASSWORD' with a gear icon. It contains three input fields: 'Current Password', 'New Password', and 'Confirm Password', each with a corresponding text input box. A green 'Submit' button is at the bottom right.

Figure 5.20: Change password

- **Manager Homepage**

Manager can enter into his homepage after login in web application.

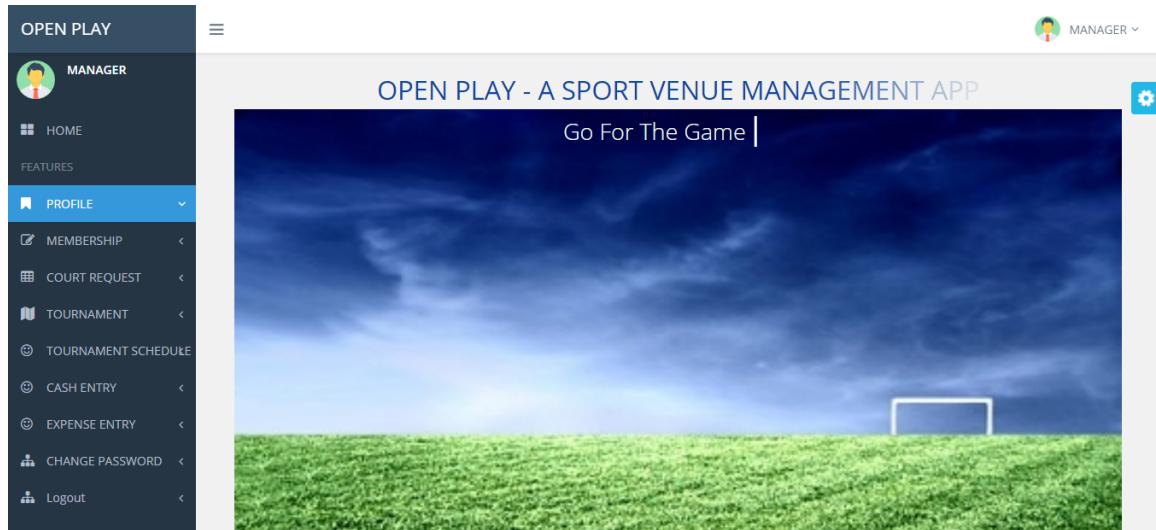


Figure 5.21: Manager Homepage

- **Manager profile**

Manager can view his profile and can edit details such as name, photo, pincode, place, district. He can't edit email and court that are added by the admin.

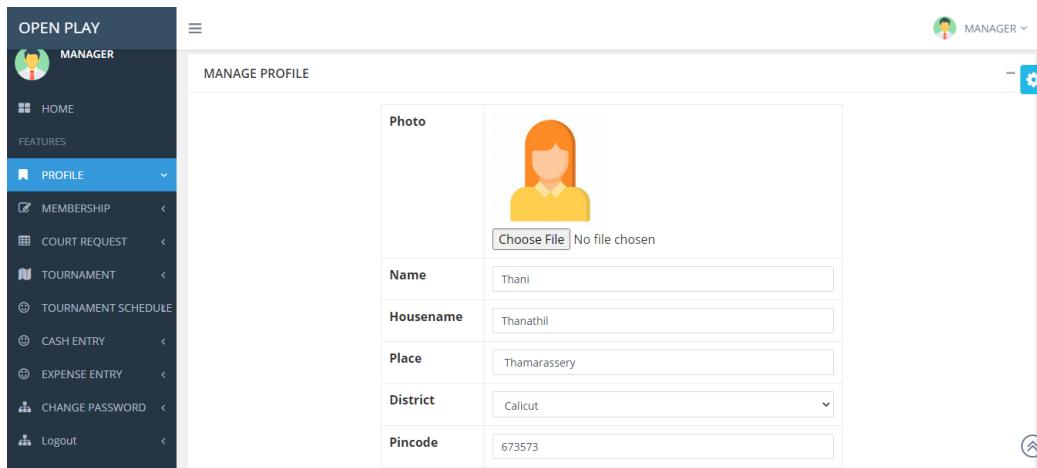


Figure 5.22: Manager profile

- **View membership**

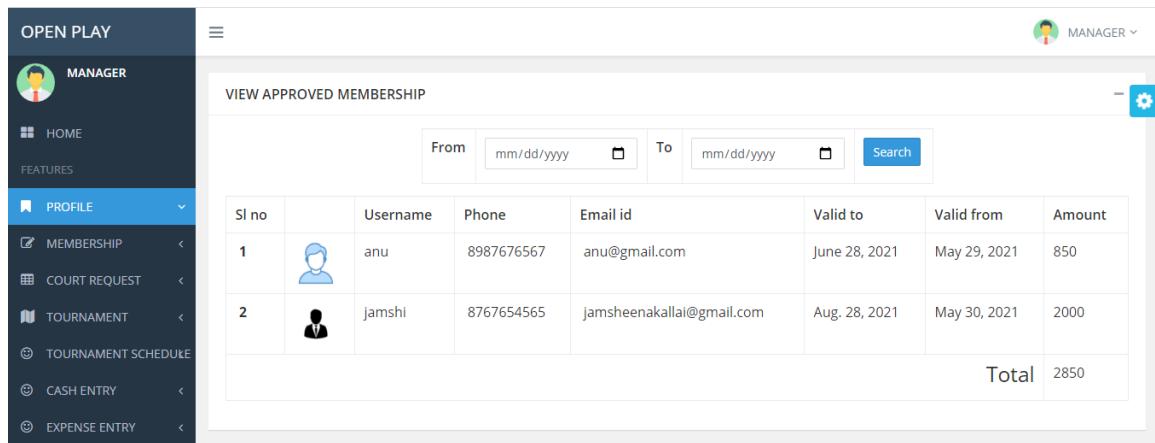
Manager can view membership request comes from the side of user and can give status whether request is accept or rejected.

Sl no	Userinfo	Place	Valid to	Valid from	Amount	Reject	Approve
1	Fathima Thani 9446763706 fathimathan123@gmail.com	Thamarassery	Aug. 29, 2021	May 31, 2021	2000	<button>Reject</button>	<button>Approve</button>
2	anu 8987676567 anu@gmail.com	parappanpoyil	Aug. 30, 2021	June 1, 2021	2000	<button>Reject</button>	<button>Approve</button>
3	jamshi 8767654565 jamsheenakallai@gmail.com	kunnamaghalam	June 30, 2021	May 31, 2021	850	<button>Reject</button>	<button>Approve</button>
4	jamshi 8767654565 jamsheenakallai@gmail.com	kunnamaghalam	Aug. 28, 2021	May 30, 2021	2000	<button>Reject</button>	<button>Approve</button>

Figure 5.23: View membership

- **View accepted membership**

Manager can view accepted membership by selecting from and to date. Manager can view a total amount of accepted membership along with the details.



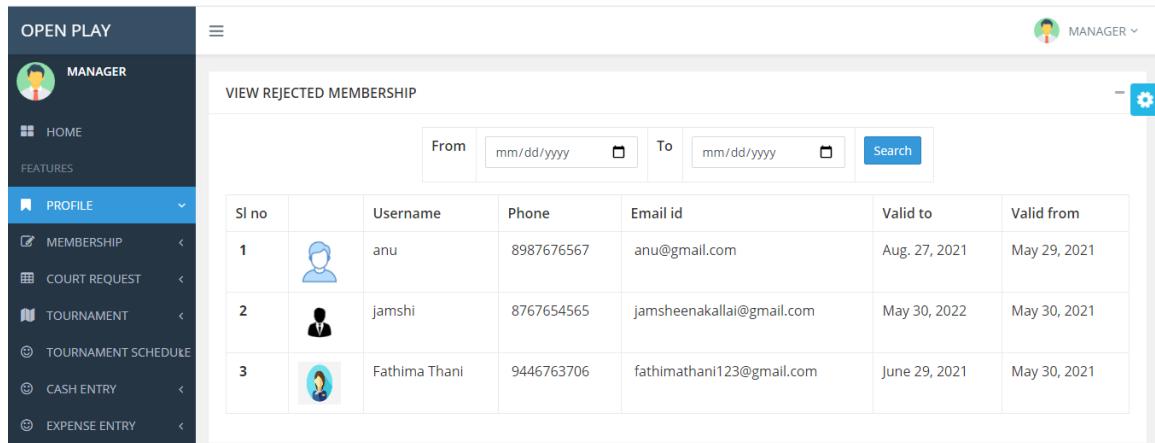
The screenshot shows the 'OPEN PLAY' application interface for a 'MANAGER'. The left sidebar has a 'PROFILE' section selected, which includes 'MEMBERSHIP', 'COURT REQUEST', 'TOURNAMENT', 'TOURNAMENT SCHEDULE', 'CASH ENTRY', and 'EXPENSE ENTRY'. The main content area is titled 'VIEW APPROVED MEMBERSHIP' and features a search bar with 'From' and 'To' date fields and a 'Search' button. Below the search bar is a table with columns: Sl no, Profile icon, Username, Phone, Email id, Valid to, Valid from, and Amount. Two rows of data are shown:

Sl no	Profile icon	Username	Phone	Email id	Valid to	Valid from	Amount
1		anu	8987676567	anu@gmail.com	June 28, 2021	May 29, 2021	850
2		jamshi	8767654565	jamsheenakallai@gmail.com	Aug. 28, 2021	May 30, 2021	2000
							Total 2850

Figure 5.24: View accepted membership

- **View rejected membership**

Manager can view rejected membership by selecting from and to date.



The screenshot shows the 'OPEN PLAY' application interface for a 'MANAGER'. The left sidebar has a 'PROFILE' section selected, which includes 'MEMBERSHIP', 'COURT REQUEST', 'TOURNAMENT', 'TOURNAMENT SCHEDULE', 'CASH ENTRY', and 'EXPENSE ENTRY'. The main content area is titled 'VIEW REJECTED MEMBERSHIP' and features a search bar with 'From' and 'To' date fields and a 'Search' button. Below the search bar is a table with columns: Sl no, Profile icon, Username, Phone, Email id, Valid to, and Valid from. Three rows of data are shown:

Sl no	Profile icon	Username	Phone	Email id	Valid to	Valid from
1		anu	8987676567	anu@gmail.com	Aug. 27, 2021	May 29, 2021
2		jamshi	8767654565	jamsheenakallai@gmail.com	May 30, 2022	May 30, 2021
3		Fathima Thani	9446763706	fathimathani123@gmail.com	June 29, 2021	May 30, 2021

Figure 5.25: View rejected membership

- **View court request**

Manager can view court request by selecting date and can reject the request if needed.

Sl no	Username	Date	Type	Time slot	Action
1	Fathima Thani	31/05/2021	Football 5's	6am-7am	<button>Reject</button>
2	Fathima Thani	31/05/2021	Cricket	10.30pm-11.30pm	<button>Reject</button>
3	anu	31/05/2021	Cricket	11am-12am	<button>Reject</button>
4	jamshi	31/05/2021	Football 5's	9.30pm-10.30pm	<button>Reject</button>

Figure 5.26: View court request

- **Tournament creation**

Manager can create tournament in his court and this can view by the user.

Figure 5.27: Tournament creation

- **View Tournament creation**

Manager can view tournament creation that he makes by selecting tournament name. This page include tournament name, starting date, type, ground fee, first prize and second prize. He can button for edit, delete and can view request for corresponding tournament given by the user.

Sl no	Tournament Name	Starting date	Tournament Type	Ground Fee	First Prize	Second Prize			
1	zappcup	June 1, 2021	Football 7's elders	1500	10000	7500	<button>Update</button>	<button>Delete</button>	<button>View request</button>
2	fifa	May 31, 2021	Football 5's elders	1200	9000	6500	<button>Update</button>	<button>Delete</button>	<button>View request</button>
3	worldcup	June 5, 2021	Football 7's elders	2000	10000	8000	<button>Update</button>	<button>Delete</button>	<button>View request</button>

Figure 5.28: View Tournament creation

- **Edit Tournament creation**

Manager can view and edit created tournament if needed. This page include tournament name, starting date, tournament type, ground fee, first prize and second prize.

Tournament name	zappcup
Starting date	06/01/2021
Tournament Type	Football 7's elders
Ground fee	1200
First Prize	10000
Second Prize	7500
<b>Submit</b>	

Figure 5.29: Edit Tournament creation

- **View Tournament request**

Manager can view tournament request given by the user and can give any status whether it is approved or rejected. This page include information such as username, phone number, email id, team name and requested date.

Sl no		Username	Phone number	Email id	Team name	Requested date		
1		anu	8987676567	anu@gmail.com	champions	May 29, 2021	<b>Approve</b>	<b>Reject</b>
2		anu	8987676567	anu@gmail.com	20-20	May 29, 2021	<b>Approve</b>	<b>Reject</b>
3		anu	8987676567	anu@gmail.com	team1	May 29, 2021	<b>Approve</b>	<b>Reject</b>
4		Fathima Thani	9446763706	fathimathani123@gmail.com	winnersss	May 30, 2021	<b>Approve</b>	<b>Reject</b>

Figure 5.30: View Tournament request

- **Tournament scheduling**

Manager can schedule tournament according to request accepted team by court manager. Request are given by the user. In this page manager need to select tournament name that are created by the manager, round, team A, team B, date and time that needs to play.

Tournament name	zappcup
Round	select
Date	mm/dd/yyyy
Time	...:-- --
Team A	
Team B	

Figure 5.31: Tournament scheduling

- **View Tournament scheduling**

Manager can view tournament scheduling that are created by him based on tournament request. He can view schedule by selecting tournament name and round can view further details such as date, time, teamname A, teamname B and winner if added by the manager, else it will shows as 'pending'.

VIEW TOURNAMENT SCHEDULE						
Sl no	Date	Time	Teamname A	Teamname B	Winner	
1	May 28, 2021	7:46 a.m.	runup	besties	runup	<button>Add Winner</button> <button>Delete</button>
2	May 28, 2021	8:47 a.m.	champions 2.0	football players	champions 2.0	<button>Add Winner</button> <button>Delete</button>
3	May 30, 2021	3 p.m.	winnersss	rising stars	pending	<button>Add Winner</button> <button>Delete</button>
4	May 30, 2021	4 p.m.	runup	winnersss	pending	<button>Add Winner</button> <button>Delete</button>

Figure 5.32: View Tournament scheduling

- **Add winner**

Manager can add each round winner corresponding to tournament that are selected by court manager .

SELECT WINNERS

Teamname	--select--
<button>Add</button>	

Figure 5.33: Add winner

- **View winner list**

Manager can view winner list by selecting round and tournament name.

ID	Team	Position	Action
1	 runup	1	Delete

Figure 5.34: View winner list

- **View accepted booking and cash entry**

Manager can view accepted booking and can add cash or amount by selecting user name. Here if cash is paid, the cash entry button will be replaced as 'paid' status.

Sl no	Userinfo	Date	Type	Time slot	Action
1	Fathima Thani fathimathan123@gmail.com 9446763706	13/06/2021	Football 7's	6am-7am	Paid
2	Fathima Thani fathimathan123@gmail.com 9446763706	13/06/2021	Football 7's	7.10am-8.10am	Cash Entry
3	Fathima Thani fathimathan123@gmail.com 9446763706	13/06/2021	Cricket	10.30pm-11.30pm	Cash Entry

Figure 5.35: View accepted booking and cash entry

- **Cash entry**

Manager can enter accept court booked user's cash amount.

The screenshot shows the 'CASH ENTRY' interface. On the left is a dark sidebar with the 'OPEN PLAY' logo at the top, followed by 'MANAGER'. Below that are 'HOME', 'FEATURES', and a 'PROFILE' section which is currently selected and highlighted in blue. Under 'PROFILE' are 'MEMBERSHIP', 'COURT REQUEST', and 'TOURNAMENT'. The main content area is titled 'CASH ENTRY' and contains a single input field labeled 'Amount' with a placeholder 'Enter Amount' and a green 'Submit' button below it.

Figure 5.36: Cash entry

- **View Cash entry**

Manager can view cash entry and can delete if needed by selecting from and to date. He can also view a total amount of cash.

The screenshot shows the 'VIEW CASH ENTRY' page. The sidebar has 'CASH ENTRY' selected. The main area is titled 'VIEW CASH ENTRY' and features a search bar with 'From' and 'To' date inputs and a 'Search' button. Below is a table with the following data:

Sl no	Userinfo	Amount	Date	Description	Time slot	
1	anu anu@gmail.com 8987676567	1000	May 29, 2021	Football 7's	8am-9am	<button>Delete</button>
2	Fathima Thani fathimathan123@gmail.com 9446763706	1500	May 30, 2021	Football 5's	6am-7am	<button>Delete</button>
3	jamshi jamsheenakallai@gmail.com 8767654565	900	May 30, 2021	Football 5's	9.30pm-10.30pm	<button>Delete</button>
Total			3400			

Figure 5.37: View Cash entry

- **Expense entry**

Manager can enter expense amount of corresponding court by selecting the type of expense, amount and narration. Expense include cleaning, turf maintenance, buying football items and cricket items and others.

The screenshot shows the 'EXPENSE ENTRY' form within the 'OPEN PLAY' application interface. The left sidebar, titled 'MANAGER', contains a navigation menu with options like HOME, PROFILE (which is currently selected), MEMBERSHIP, COURT REQUEST, TOURNAMENT, TOURNAMENT SCHEDULE, CASH ENTRY, EXPENSE ENTRY (which is also selected), and CHANGE PASSWORD. A 'Logout' option is at the bottom. The main content area has a header 'EXPENSE ENTRY' and three input fields: 'Type of expense' (dropdown menu showing 'Select'), 'Amount' (text input field), and 'Narration' (text input field). A green 'Submit' button is at the bottom right.

Figure 5.38: Expense entry

- **View Expense entry**

Manager can view expense entry details such as type of expense, narration and amount by selecting from and to date. He can edit and delete expense entry if needed. He can view a total amount of expense that are held in his court.

Sl no	Type of expense	Amount	Date	Narration		
1	Cleaning	500	May 30, 2021	surround cleaning	<a href="#">Edit</a>	<a href="#">Delete</a>
2	Buying football items	2000	May 30, 2021	2 balls and field net	<a href="#">Edit</a>	<a href="#">Delete</a>
3	Repairing works	600	May 30, 2021	2 lights	<a href="#">Edit</a>	<a href="#">Delete</a>
Total			3100			

Figure 5.39: View Expense entry

- **Edit expense entry**

Manager can view and edit expense if needed. This page include type of expense, amount and narration.

Type of expense	<input type="text" value="Buying football items"/>
Amount	<input type="text" value="2000"/>
Narration	<input type="text" value="2 balls and field net"/>
<a href="#">Submit</a>	

Figure 5.40: Edit expense entry

- **Change password**

Manager can change password by entering current, new and confirm password if needed.

The screenshot shows the 'CHANGE PASSWORD' form within the 'OPEN PLAY' application. On the left is a dark sidebar menu with various options like 'HOME', 'FEATURES', 'PROFILE' (which is currently selected), 'MEMBERSHIP', 'COURT REQUEST', 'TOURNAMENT', 'TOURNAMENT SCHEDULE', 'CASH ENTRY', 'EXPENSE ENTRY', 'CHANGE PASSWORD' (which is also selected), and 'Logout'. The main area has a light gray header with the title 'CHANGE PASSWORD' and a small gear icon. Below the header is a table with three rows: 'Current Password' with a text input field, 'New Password' with a text input field, and 'Confirm Password' with a text input field. At the bottom right of the form is a green 'Submit' button.

Figure 5.41: Change password

- **User login page**

A public user can view all court details such as court name, photo, rating etc and then can register to app. Then, user can login and access into his homepage by entering username and password.

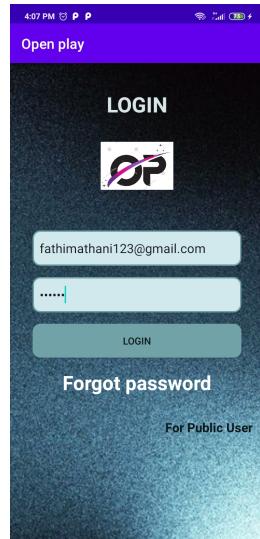


Figure 5.42: User login page

- **Public user**

Public user can access the application after registration has held.



Figure 5.43: Public user

- **Public user view court**

Public user can view court and court details such as court name, place, district, description, photo, square feet and average rating. Then they can register and login into his homepage.

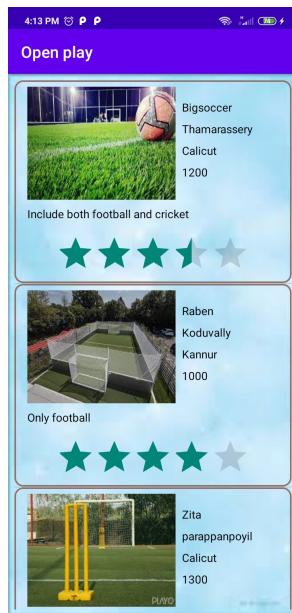


Figure 5.44: Public user view court

- **User registration**

Public user can register by adding his personal details such as name, phone number, place, district, pincode, date of birth, email, phone number, gender, photo and can login into his homepage.

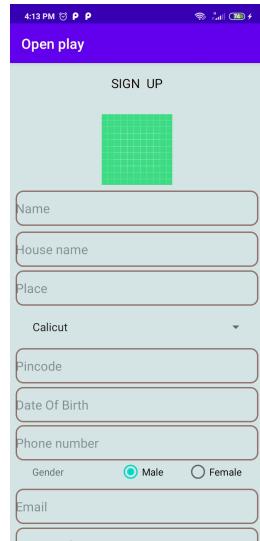


Figure 5.45: User registration

- **User home page**

User can login by entering username and password and can enter into his home-page. He can view profile, membership and booking, view membership status, court booking status, complaint, team and team members, view tournament and tournament status and chat with other user.

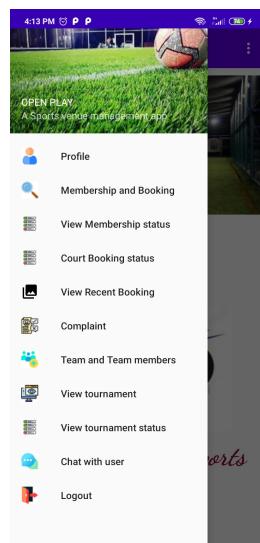


Figure 5.46: User home page

- **View user profile**

User can view his profile such as photo, name, place, house name, district, pincode, date of birth, phone number and gender and can update if needed.



Figure 5.47: View user profile

- **View court details**

User can View court details and can can book, request for membership and can view rating of the court. Court details include court name, place, description, square feet and photo which are given by the admin at the time of court registration.



Figure 5.48: View court details

- **Court booking**

User can book a slot with available time to corresponding court that they needed. He needs to select booking type, date and time slot and needs to agree terms and condition and click on submit button.

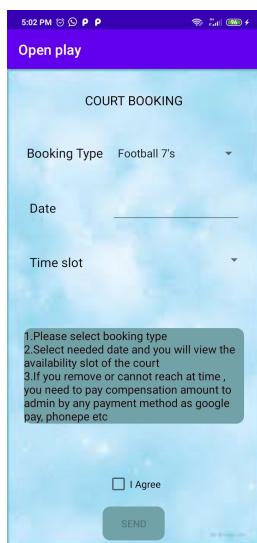


Figure 5.49: Court booking

- **View membership package**

User can view membership package that include in court and can select a package and can send a request to corresponding court manager.

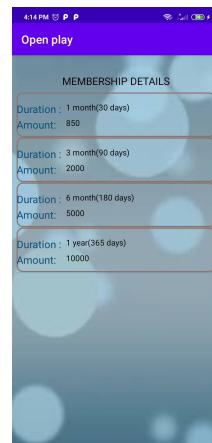


Figure 5.50: View membership package

- **Request for membership**

User can request for membership after selecting a membership package. User can select from date if needed. He can't change valid to date.

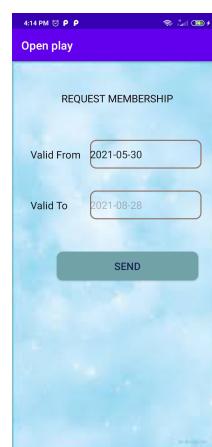


Figure 5.51: Request for membership

- **View rating and reviews**

User can view rating that are given by other user corresponding to court.



Figure 5.52: View rating and reviews

- **Court booking status**

User can view booking status whether accepted or rejected which are given by court manager.



Figure 5.53: Court booking status

- **Send rating and reviews**

User can give rating and reviews to corresponding court.

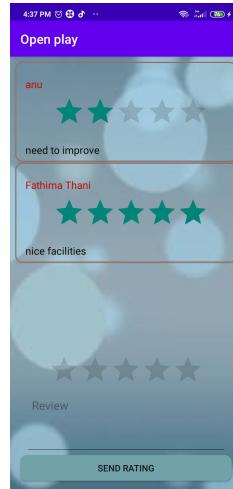


Figure 5.54: Send rating and reviews

- **Membership status**

User can view booking status whether accepted or rejected which are given by court manager. This page include name, valid to, valid from, status and date.



Figure 5.55: Membership status

- **Send complaint**

User can send complaint to corresponding court.

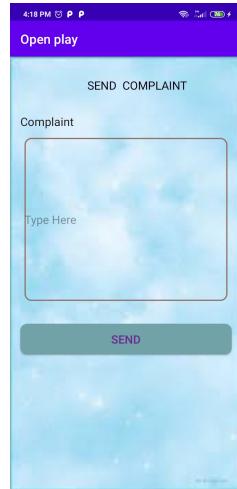


Figure 5.56: Send complaint

- **View reply**

User can view reply to corresponding complaint which are given by court admin.



Figure 5.57: View reply

- **Add team**

User can add team by entering photo, team name and descriptions.

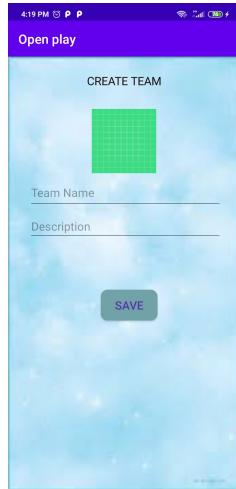


Figure 5.58: Add team

- **View team**

User can view team that are added by him. This page include team logo, team name and description.



Figure 5.59: view team

- **Edit team**

User can edit team that are added by him.



Figure 5.60: Edit team

- **Add team members**

User can add team members to corresponding team that are added by user. User need to enter name, place, district, phone number and image of the team member.

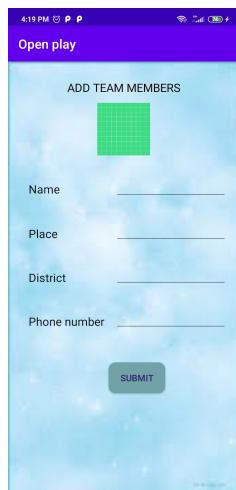


Figure 5.61: Add team members

- **View team members**

User can view team members corresponding to team that are added by user. He can view name, place, district, phone number and photo.



Figure 5.62: View team members

- **Edit team members**

User can view team members corresponding to team that are added by him.



Figure 5.63: Edit team members

- **View tournament**

User can view tournament that are created by managers. User can send request for tournament by selecting team.



Figure 5.64: View tournament

- **View and select a team**

User can view and select a team to request for a tournament.

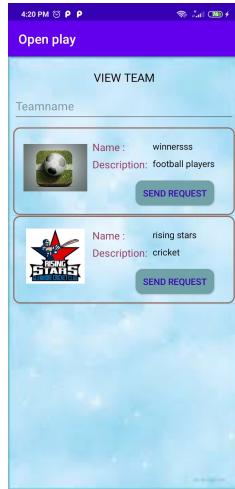


Figure 5.65: View and select a team

- **View winner**

User can view winner team who participate in tournament.

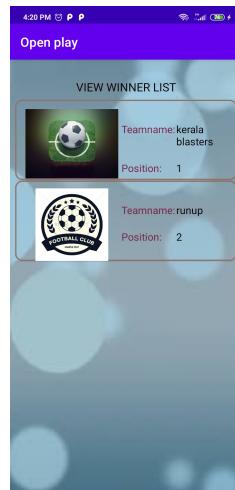


Figure 5.66: View winner

- **View tournament status**

User can view tournament status whether accepted or rejected which are given by court manager.

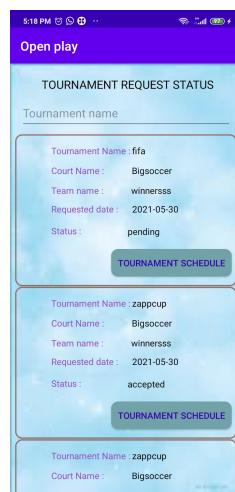


Figure 5.67: View tournament status

- **View tournament schedule**

User can view tournament schedule based on request accepted team.

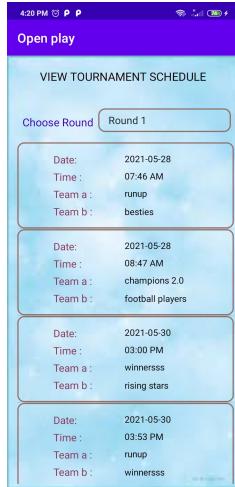


Figure 5.68: View tournament schedule

- **User chat list**

User can chat with other user.



Figure 5.69: User chat list

- Chat

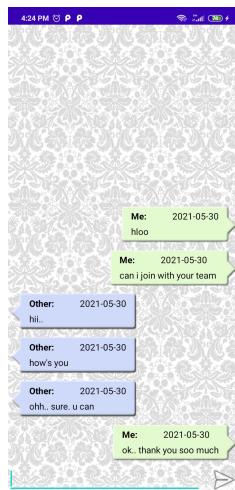


Figure 5.70: Chat

- Forgot password

User can get password if forgot.

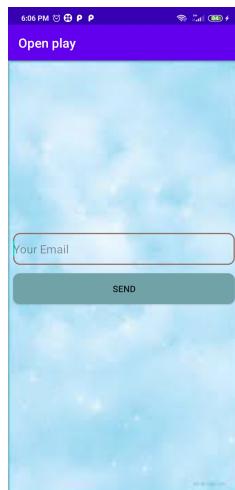


Figure 5.71: Forgot password

### 5.2.3 Git History

📄 ADD_FINAL_WINNERS.html	Add files via upload	9 days ago
📄 ADD_TO_ROUND_WINNERS.html	Add files via upload	9 days ago
📄 Change_password (2).html	Add files via upload	3 days ago
📄 Change_password.html	Add files via upload	3 days ago
📄 ChatMessage.java	Add files via upload	9 days ago
📄 Cust_public_view_court.java	Add files via upload	3 days ago
📄 Cust_view_users.java	Add files via upload	9 days ago
📄 Forgotpassword.java	Add files via upload	3 days ago
📄 MessagesAdapter.java	Add files via upload	9 days ago
📄 NotificationHelper.java	Add files via upload	9 days ago
📄 Public_Home.java	Add files via upload	3 days ago
📄 README.md	Update README.md	2 months ago
📄 VIEW_ROUND_WINNER.html	Add files via upload	9 days ago
📄 addmembers.txt	Add files via upload	last month
📄 addschedule_new.html	Add files via upload	9 days ago

📄 adminhomepage.txt	Add files via upload	2 months ago
📄 bookingstatus.txt	Add files via upload	last month
📄 cashentry.html	Add files via upload	25 days ago
📄 color.html	Add files via upload	2 months ago
📄 color_manager.html	Add files via upload	2 months ago
📄 court registration.txt	Add files via upload	2 months ago
📄 courtbooking.txt	Add files via upload	last month
📄 createteam.txt	Add files via upload	last month
📄 cust_bookingstatus.txt	Add files via upload	last month
📄 cust_membershipbooking.txt	Add files via upload	last month
📄 cust_membershipstatus.txt	Add files via upload	last month
📄 cust_tourreqstatus.java	Add files via upload	29 days ago
📄 cust_viewmembers.txt	Add files via upload	last month
📄 cust_viewrecent bookig.txt	Add files via upload	last month
📄 cust_viewreply.txt	Add files via upload	last month

 cust_viewteam.txt	Add files via upload	last month
 cust_viewtournament.txt	Add files via upload	last month
 cust_viewtournament2.txt	Add files via upload	last month
 cust_viewtourschedule.java	Add files via upload	25 days ago
 custom_view_rate.java	Add files via upload	9 days ago
 edit court.txt	Add files via upload	2 months ago
 edit manager.txt	Add files via upload	2 months ago
 edit_tourschedule.html	Add files via upload	29 days ago
 editexpenseentry.html	Add files via upload	21 days ago
 editmembers.txt	Add files via upload	last month
 editteam.txt	Add files via upload	last month
 expenseentry.html	Add files via upload	21 days ago
 give reply.txt	Add files via upload	last month
 login.html	Add files via upload	9 days ago
 login.java	Add files via upload	9 days ago

 manager profile.txt	Add files via upload	2 months ago
 membership and booking.txt	Add files via upload	last month
 membershipstatus.txt	Add files via upload	last month
 model.txt	Add files via upload	last month
 notiservice.java	Add files via upload	9 days ago
 public_view_court.java	Add files via upload	3 days ago
 register manager.txt	Add files via upload	2 months ago
 requestmembership.txt	Add files via upload	last month
 send complaint.txt	Add files via upload	last month
 send_rating.java	Add files via upload	9 days ago
 send_rating1.java	Add files via upload	9 days ago
 tournament creation.txt	Add files via upload	2 months ago
 tournament_schedule.html	Add files via upload	29 days ago
 tournamentrequest.txt	Add files via upload	last month
 tourreqstatus.java	Add files via upload	29 days ago

 userhomepage.txt	Add files via upload	2 months ago
 userregistration.txt	Add files via upload	2 months ago
 view_court.txt	Add files via upload	2 months ago
 view_manager.txt	Add files via upload	2 months ago
 view_recent_booking.txt	Add files via upload	last month
 view_tournament.txt	Add files via upload	last month
 view_user.txt	Add files via upload	2 months ago
 view_userprofile.txt	Add files via upload	2 months ago
 view_acceptbooking.html	Add files via upload	25 days ago
 view_bookingreport.html	Add files via upload	25 days ago
 view_cashentryreport.html	Add files via upload	21 days ago
 view_expenseentry.html	Add files via upload	21 days ago
 view_monthcash.html	Add files via upload	21 days ago
 view_rating.html	Add files via upload	9 days ago
 view_teammembers.html	Add files via upload	25 days ago

 view_tournamentdetails.html	Add files via upload	25 days ago
 view_tournamentteam.html	Add files via upload	25 days ago
 view_tourschedule.html	Add files via upload	29 days ago
 view_tourschedulenew.html	Add files via upload	9 days ago
 viewapprovedmembership.txt	Add files via upload	last month
 viewcomplaint.txt	Add files via upload	last month
 viewcourtrequest.txt	Add files via upload	last month
 viewmembers.txt	Add files via upload	last month
 viewmembership.txt	Add files via upload	last month
 viewrejectedmembership.txt	Add files via upload	last month
 viewreply.txt	Add files via upload	last month
 viewteam.txt	Add files via upload	last month
 viewtournament2.txt	Add files via upload	last month
 viewtourschedule.java	Add files via upload	25 days ago

Figure 5.72: Git History