

# IHCI Second Submission

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## Rules

- Submit a Google Doc, NOT a PDF or a Google slide.
  - Use the default fonts, line spacing, and font size unless specifically required in the assignment.
  - After submission, the Google Doc will get automatically locked, so you won't be able to make any changes.
  - Standard plagiarism rules apply.
  - Your submission will not be considered for grading and feedback if you do not follow these guidelines.
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### **Names of Group Members:**

1. Gurvender Singh, 2022192
2. Gurupriya Vaikundam, 2022191
3. Hardik Sachdeva, 2022193
4. Hariom Tiwari, 2022194
5. Harsh, 2022195

**Project Group Number:** Project 3

**HCI Group No.:** Group 10, Section A

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## Requirement Gathering

<Identifying stakeholders and their roles, challenges, requirements and expectations of users through tools like interviews, mindmaps, use-case diagrams etc.>

### **Stakeholders:**

- Owner of sports complexes
- All users
- Tournament organizing bodies
- Sports federations

## **Roles of the stakeholders:**

- The owners of sports complexes provide sports facilities, equipment like bats and balls, health facilities like first aid kits, mentors and maintenance staff.
- The users will go through our prototype and give feedback and thus help in developing alternative designs. And with this approach, a user-centered design will be created.
- The tournament organizing bodies invest in tournaments and various sports events. They host and organize various fests. They'll provide refreshments and prizes as well.
- The sports federations organize and promote everything from leisure activities to high-level sports

## **Challenges:**

- Some users don't like to be interviewed and be asked for feedback and thus designers will face difficulties in improving the quality of the product.
- There may be some scammers who would book time slots but they will not show up.
- There may be conflicts among the team members.
- Different opinions from different users can make the designing process difficult and time-consuming.

## **Requirements and Expectations:**

- Privacy- The user's personal data must be kept safe and secure.
- The app should be easy to use, user-friendly, and visually appealing.
- The users will get rewards based on the points and their past bookings.
- There will also be a facility for premium membership.
- The app should contain an easy, effective, and safe booking system.
- There should be safe and secure payment methods, accepting all modes of payment.
- Users should be able to find suitable companions who will play the game at the same level.
- The app will provide customers with easy and cost-effective transportation.

## Google Forms Link:

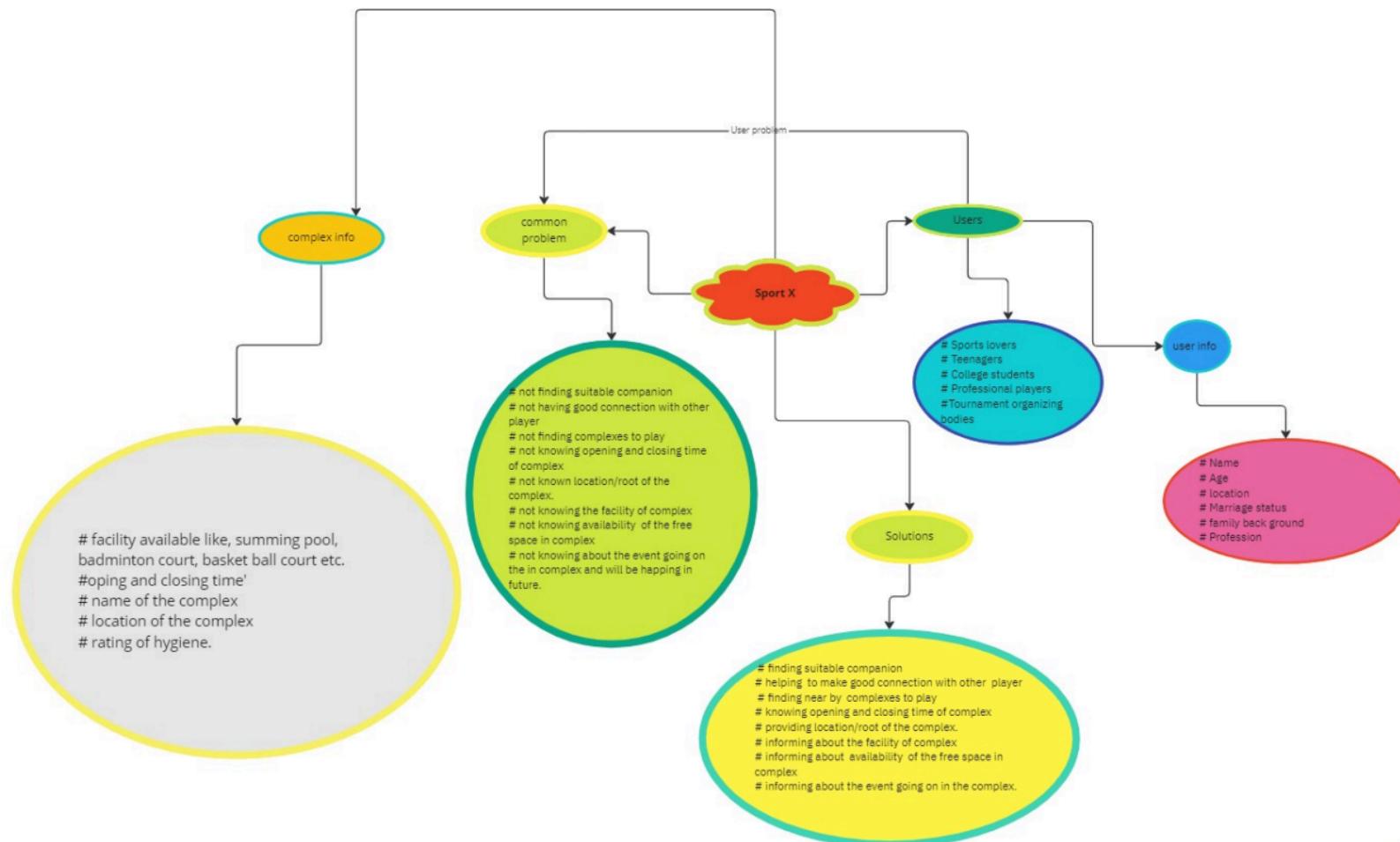
<https://forms.gle/h9N2LGaXdtJgvnbm8>

## Google Forms Responses Link:

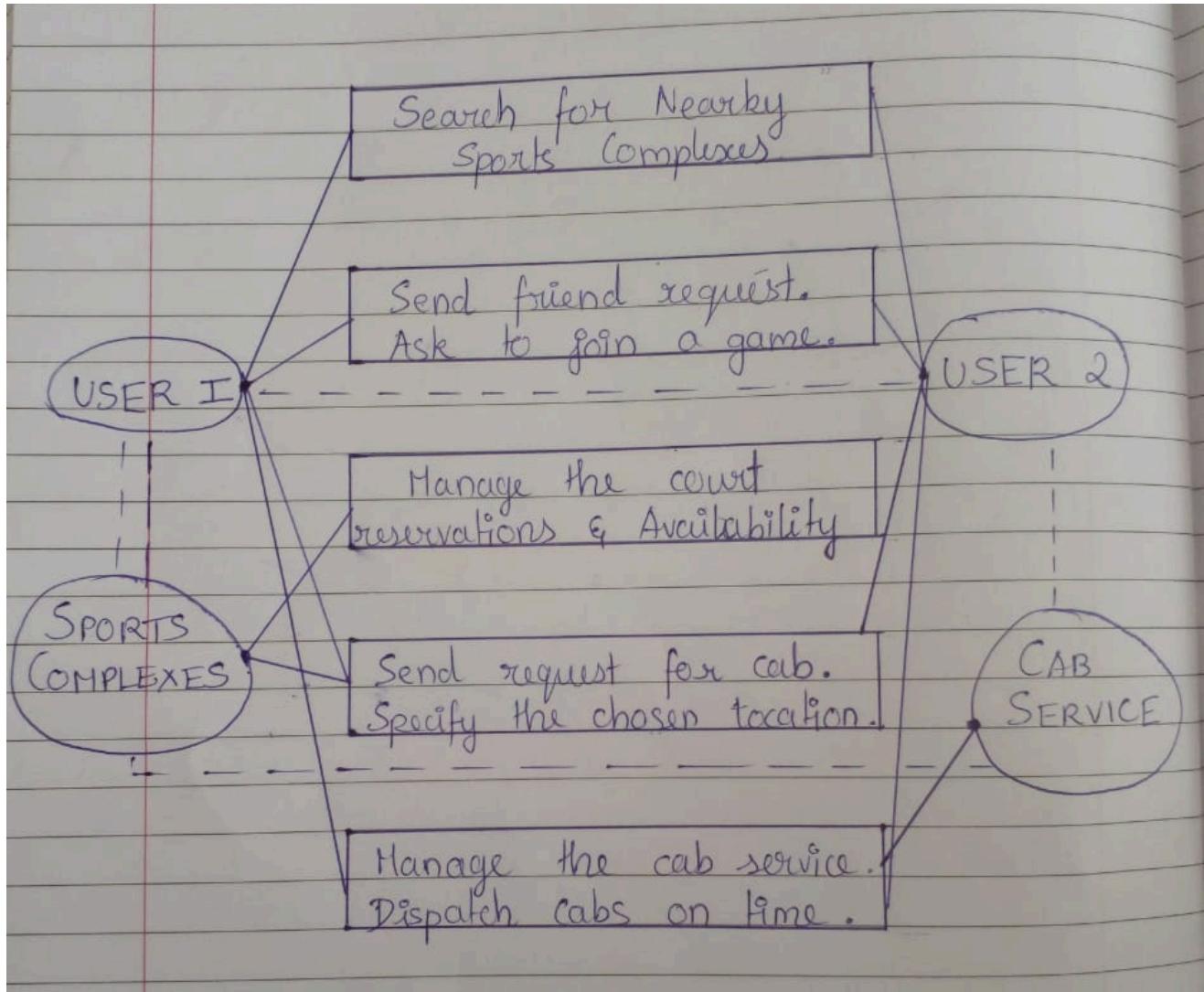
[https://docs.google.com/forms/d/1mtR44RgJWgLlIcEjLDL0znLWCe9PIE0FVs3y\\_8-ya7Q/edit?ts=63a6cf51#responsesS](https://docs.google.com/forms/d/1mtR44RgJWgLlIcEjLDL0znLWCe9PIE0FVs3y_8-ya7Q/edit?ts=63a6cf51#responsesS)

## Mindmap:

key problem: **Connecting people, who want to play with other player and complexes**



## User-Case Diagram:



# Personas and Scenarios

<developing different user archetypes to understand and empathise with users through business and personal contexts>

## Personas:

### Persona 1:



The image shows a persona card for Hayden Smith, a college student from New Delhi, India. The card includes a bio section detailing his interests and needs, as well as a dissatisfaction section.

**Sport X**  
let's Play

**Hayden Smith**  
College Student

"I'd like one small app that shows me a bunch of places that have sport complex's listed for playing. I'd also like the option to know which event is going in which sport complex in the same app to visit places that meet my interest and budget limits."

**Bio**

Hayden has lived in Delhi since childhood. He wants to play badminton and cricket and other sports too. He is a student belonging to an upper-middle-class family. He plays for around 4 to 6 hours a day. He is passionate about playing. He wants to be a professional player

**House icon** New Delhi  
**User icon** 20 age  
**School bag icon** Student

**Dissatisfaction**

- Do not get the player to play in their free time
- do not get the well playing ground near him
- get confused about the timing of the sport complex

**Need**

- An app that can inform about the best complex near him
- Tells all the info about the complex facility
- where is the location of the complex
- People like him, who want to play

A grid of colored dots in the background is labeled "Customer Persona".

## Persona 2:



# AYUSH GUPTA

- Professional Badminton Player
- Age: 29
- Location: DELHI

## ABOUT HIM

He is a professional badminton player. He has played national as well as international during his college and school years and now he is selected in India camp and that's why goes to the complex five to 6 times a week. He is also a fitness enthusiast.

## WANTS AND NEEDS

- To keep learning new techniques
- To get the best companion to play with.
- Keep up with the latest fitness trends



"Everybody realizes the importance of health when they get sick."  
- AYUSH GUPTA

## PERSONALITY



## FAVORITE BRAND

- Adidas
- Nike
- Under Armour

## Persona 3:



# Nishta Gupta

- 22 Years Old
- College Student
- Lives in Jaipur
- Loves Team Games

### Bio:

Loves to hang out with friends. Gives equal attention to both sports and academics.

### Sports and Hobbies:

Enjoys outdoor games the most. Most proficient at basketball. But loves to play football, handball, volleyball and hockey too.

### Wants and Needs:

Wants to play team games with friends. Wants to make new friends. Wants to find people who can play basketball with her.

### Frustrations

Unable to find sports complexes with proper facilities and equipment. Wants to find nearby locations and easy transportation. Is concerned about health and fitness.

## Persona 4:



# EMMA

AGE-15

RESIDENT=UTTARPARDESH

## BIO

Emma plays tennis everyday and she want to play national in tennis. she wants to play new games like 8 ball poll and basket ball etc.

## WANT AND NEEDS

- (1) she wants to try new games
- (2) she want to go sports comlex for practice

## Persona 5:



32

Mr. Nitin Chopra

Gurugram India

CEO

### BIO

A CEO by profession who has been working in Yamuna sport complex, Gurugram for past 5 years

### WANTS AND NEEDS

Wants to organize and manage various sport events like tournaments on regular basis.

### FRUSTRATION

Unable to find teams and people who are interested in sports

### DATA

Working hours  
8 hrs

Satisfied with existing sln



Frustrations



## Problem Understanding

<Elaborate on the proposed solution, its target users, and the specific requirements it would fulfil >

### **Problem Understanding:**

- Introverts are shy and usually, they are not able to approach and interact with people. This app will help them socialize.
- Sports complexes may provide damaged equipment due to which people will not be able to play properly.
- People find it difficult to find nearby complexes and face difficulties in traveling to these destinations.
- People may find it difficult to find suitable companions who can play games at the same level.
- The app will help the users to compare prices and facilities with the help of ratings, suggestions, and information provided.
- Decision-making is made easier and quicker by the availability of ratings.

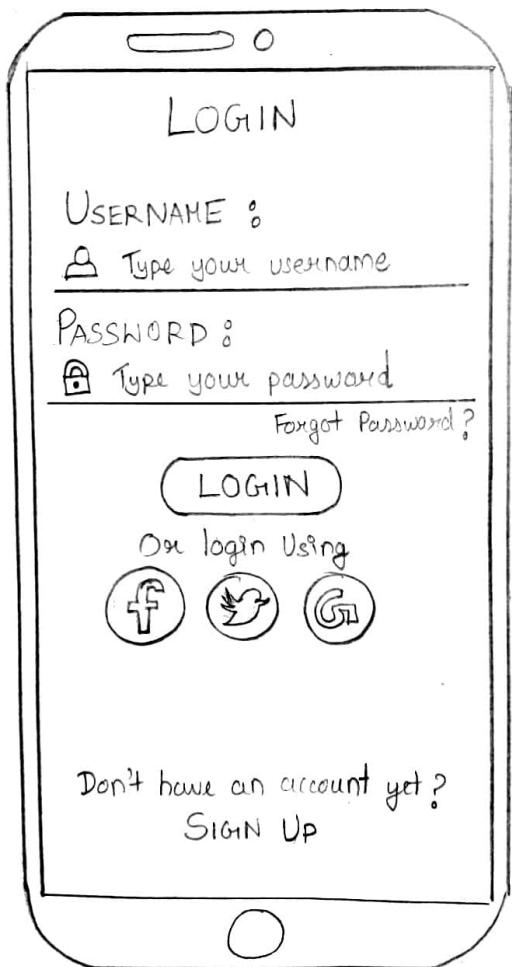
## Low-Fidelity Designs

<Hand-drawn sketches or simple wireframes on Figma to present the features and features, and architecture of the application>

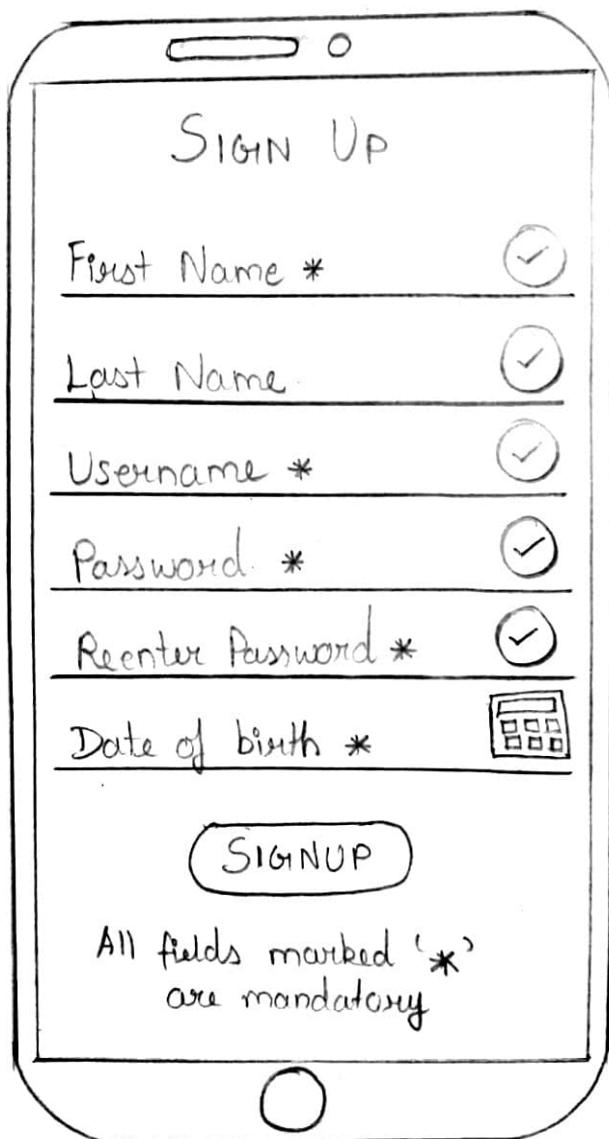
## Logo:



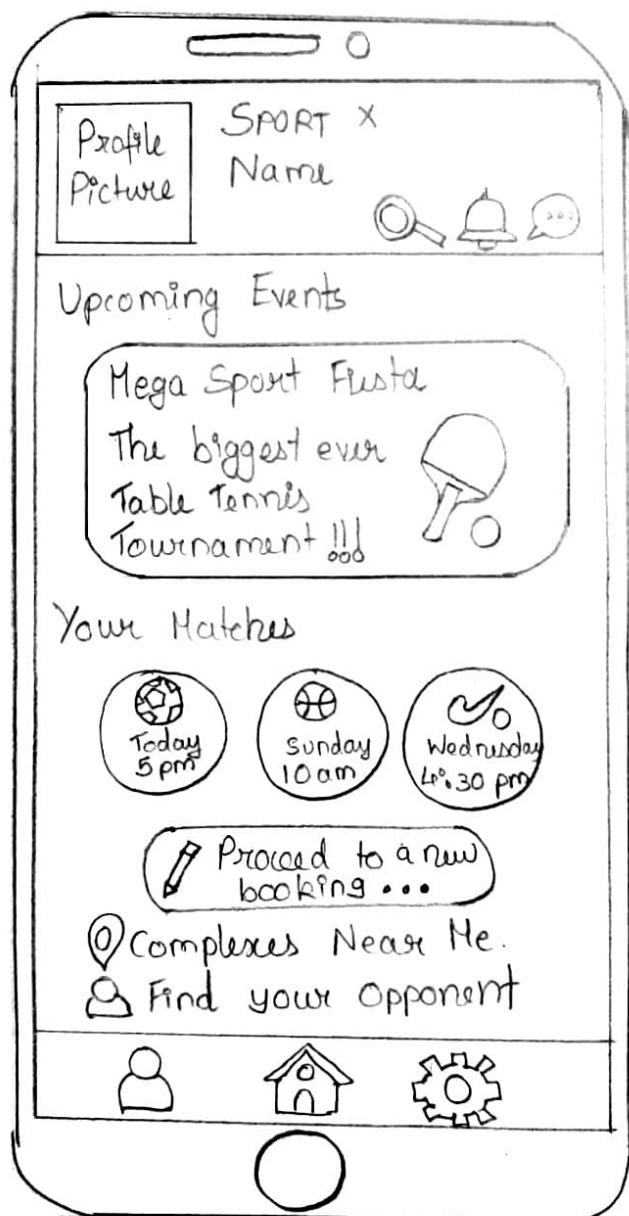
## Login Page:



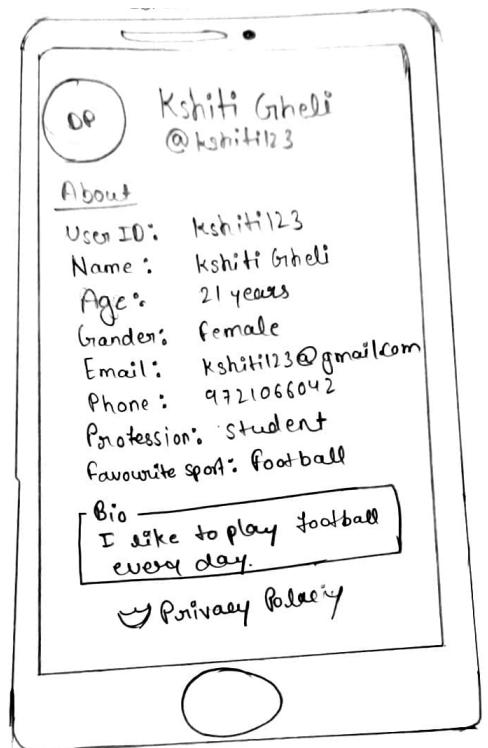
## Signup Page:



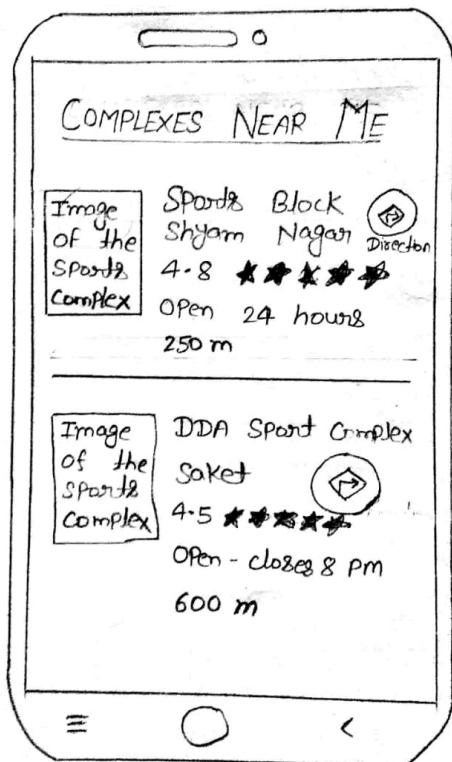
## Homepage:



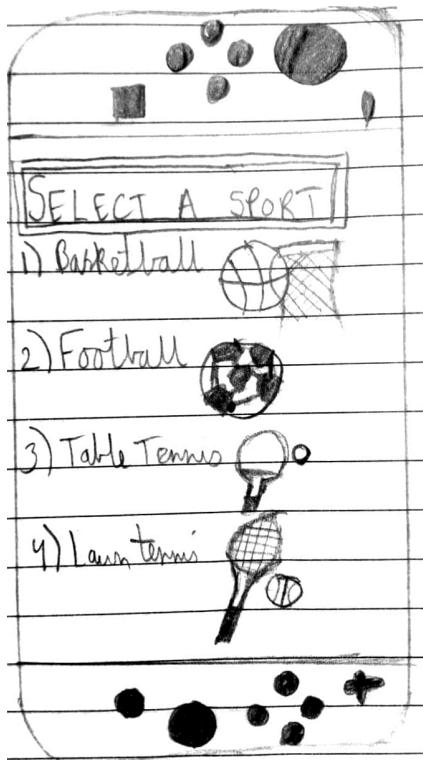
## Personal Information:



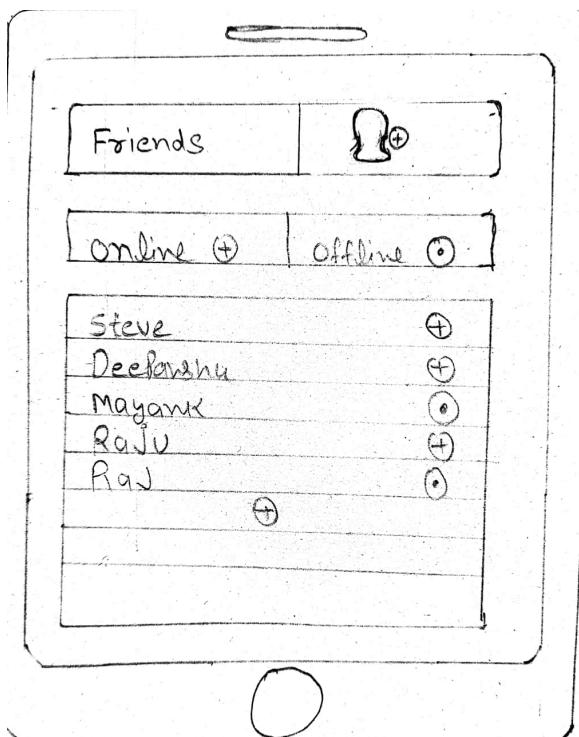
## Complexes Near Me:



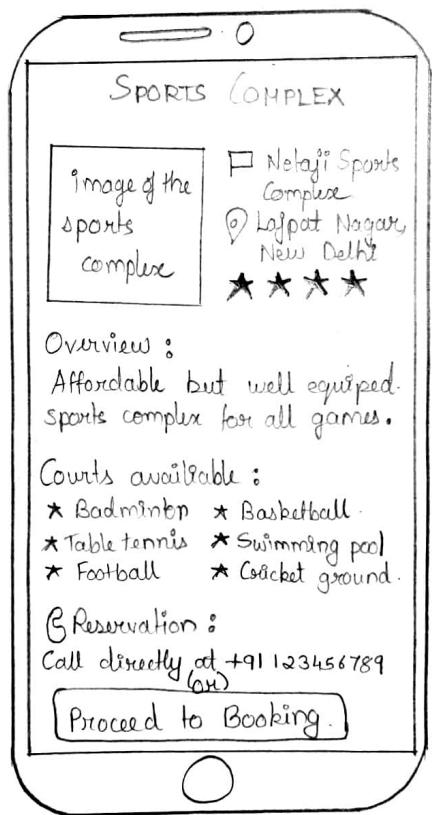
## Select Your Game:



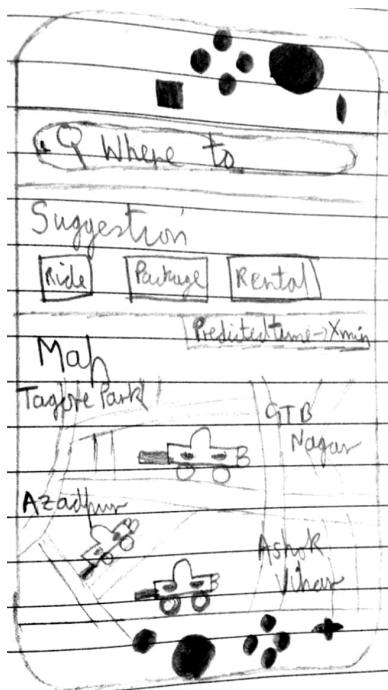
### Find Your Friends/Opponents:



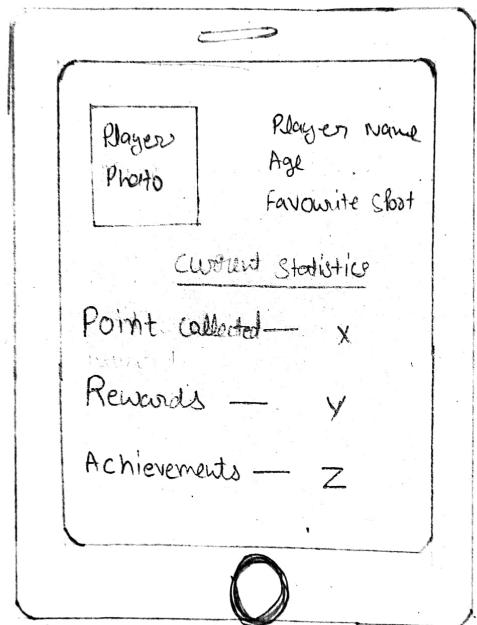
## Information About Sports Complexes:



## Cab Service and Maps:



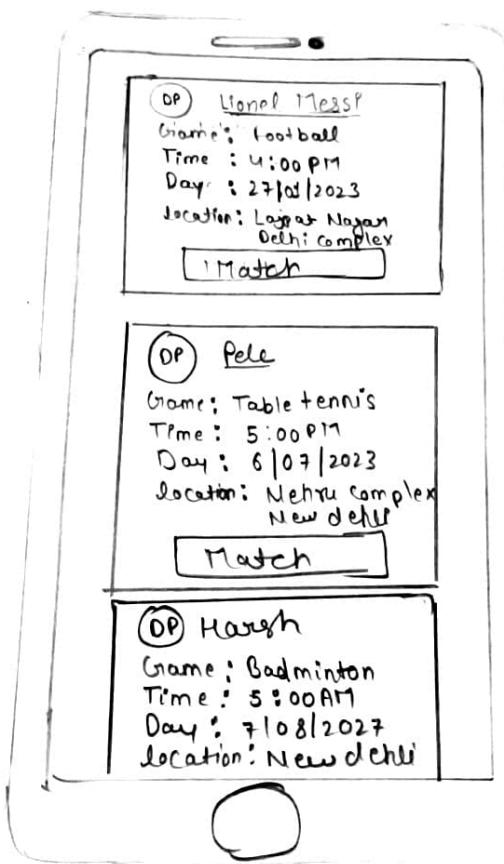
## Points and Rewards:



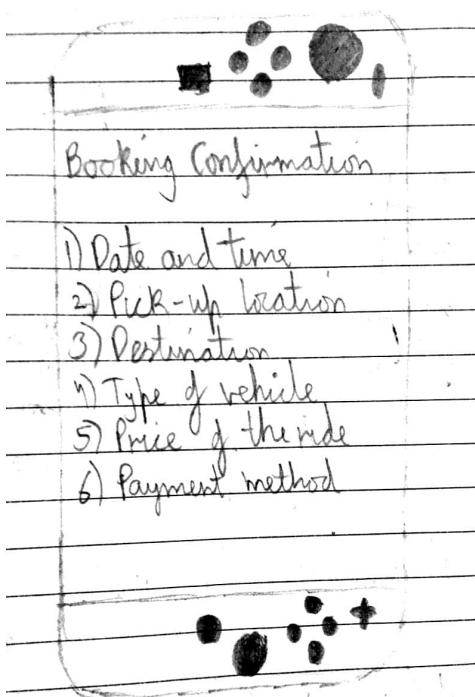
## Quick Feedback:



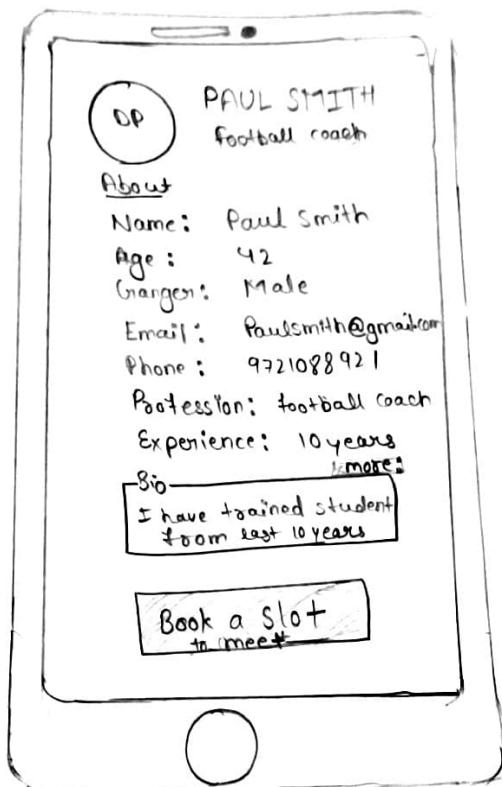
## Opponent Information:



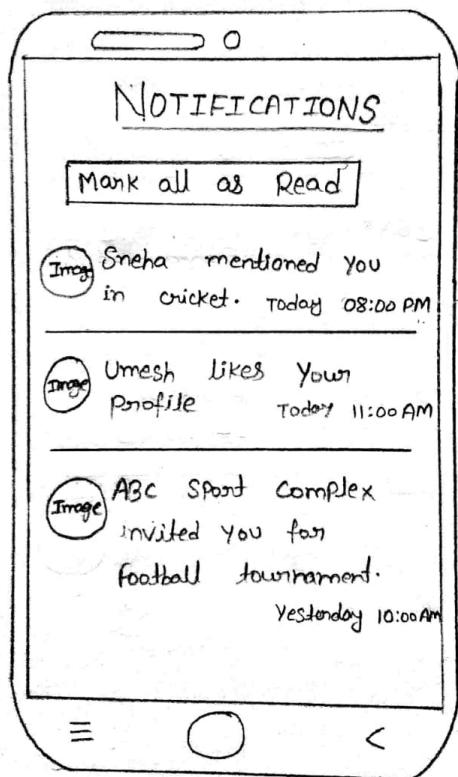
## Booking Confirmation:



## Coaches/Mentors:



## Notification system/ Alert:



## Working Hi-Fi Prototype along with User Evaluation

<Insert Figma Link and the user evaluation >

### High-fi Figma Link:

<https://www.figma.com/file/ZFGVMIulTDIxQTBhLRoBU/Final?node-id=0%3A1&t=YyAV7admfM0vgHXv-1>

### High-fi Functional Link:

<https://www.figma.com/proto/ZFGVMIulTDIxQTBhLRoBU/Final?node-id=1%3A3&scaling=min-zoom&page-id=0%3A1&starting-point-node-id=1%3A3&show-proto-sidebar=1>

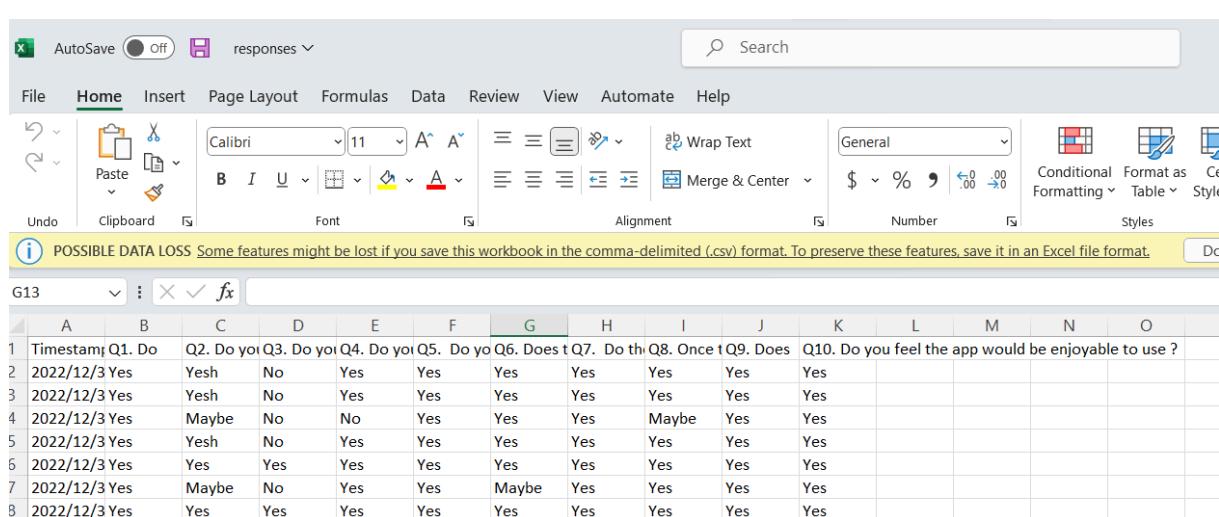
## Low-Fidelity Testing and Testing Methodology

<Testing methodology to evaluate the lo-fi's (eg - interviews, surveys etc.) and observations>

### Google Forms Link:

<https://forms.gle/TpaYqYeFhK72rRwVA>

### Responses :



A screenshot of a Microsoft Excel spreadsheet titled "responses". The top menu bar includes File, Home, Insert, Page Layout, Formulas, Data, Review, View, Automate, and Help. The ribbon tabs are Home, Insert, Page Layout, Formulas, Data, Review, View, Automate, and Help. The font toolbar shows Calibri 11pt, bold, italic, underline, and various alignment options. The number toolbar shows General, Conditional Formatting, Format as Table, and Styles. A status bar at the bottom indicates "POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format." The spreadsheet has 16 columns labeled A through P and Q. Column A is labeled "Timestamp" and contains dates like "2022/12/3". Columns B through P contain survey questions and responses. Column Q is labeled "Q10. Do you feel the app would be enjoyable to use?" and contains responses like "Yes" and "No".

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Q10. Do you feel the app would be enjoyable to use ?
1	Timestamp	Q1. Do	Q2. Do you	Q3. Do you	Q4. Do you	Q5. Do you	Q6. Does t	Q7. Do th	Q8. Once t	Q9. Does	Q10. Do you feel the app would be enjoyable to use ?					
2	2022/12/3	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
3	2022/12/3	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
4	2022/12/3	Yes	Maybe	No	No	Yes	Yes	Yes	Maybe	Yes	Yes					
5	2022/12/3	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
6	2022/12/3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
7	2022/12/3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
8	2022/12/3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					

Google Forms Link:

<https://forms.gle/3mF3VycPfiwx1Fnu7>

Responses:

[https://docs.google.com/forms/d/e/1FAIpQLScnE8aU5clW813PnsomeeR-kk\\_niK\\_r2TPPyt4eTn3NLmY5Hw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScnE8aU5clW813PnsomeeR-kk_niK_r2TPPyt4eTn3NLmY5Hw/viewform?usp=sf_link)

## Contributions

<Mention the individual contributions of the group members>

### **Gurvender Singh, 2022192:**

- Personal Information (Highfi Design)
- Opponent Information (Highfi Design)
- Coaches and Mentors (Highfi Design)
- Making the functionality of the prototypes
- Ideas, content, and participation in discussions

### **Gurupriya Vaikundam, 2022191:**

- Login Page(Highfi Design)
- Signup Page(Highfi Design)
- Homepage(Highfi Design)
- Feedback page(Highfi Design)
- Compiling the Google Doc
- Ideas, content, and participation in discussions

### **Hardik Sachdeva, 2022193:**

- Games Want to play(Highfi Design)
- Cab Service and maps/locations(Highfi Design)
- Booking Confirmation(Highfi Design)
- Google Forms(User evaluation/testing)
- Ideas, content, and participation in discussions

### **Hariom Tiwari, 2022194:**

- Complexes Near me(Highfi Design)
- Ratings of complexes and facilities(Highfi Design)
- Notification system/Alerts(Highfi Design)
- Ideas, content, and participation in discussions
- Making the functionality of the prototypes

### **Harsh, 2022195:**

- Find Your Friends/Opponents(Highfi Design)
- Points and Rewards(Highfi Design)
- Information about sports complexes (Highfi Design)
- Ideas, content, and participation in discussions