

IHCI Second Submission

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

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:

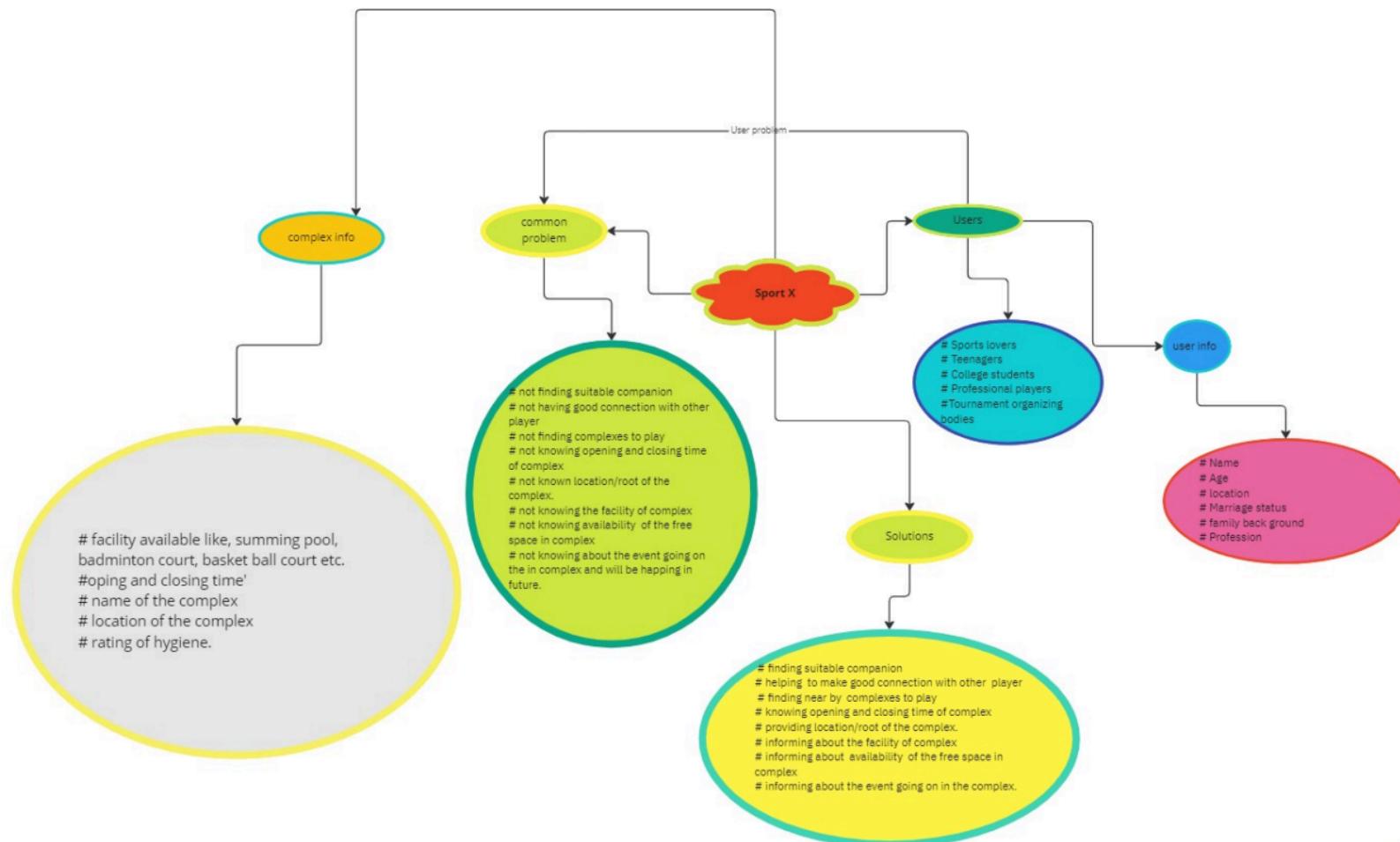
<https://forms.gle/h9N2LGaXdtJgvnbm8>

Google Forms Responses Link:

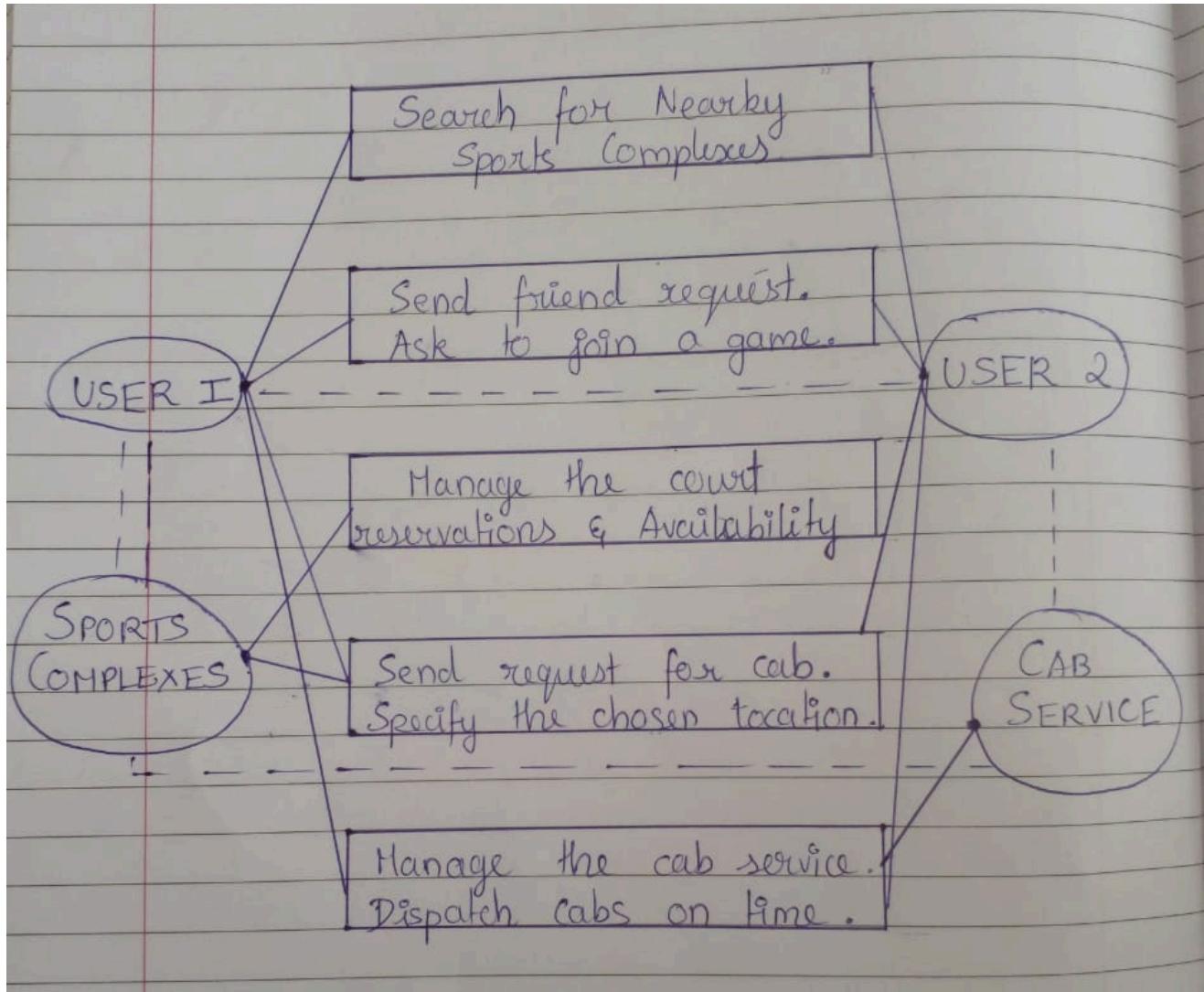
https://docs.google.com/forms/d/1mtR44RgJWgLlIcEjLDL0znLWCe9PIE0FVs3y_8-ya7Q/edit?ts=63a6cf51#responsesS

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 listing common complaints.

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

New Delhi
20 age
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

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:



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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.

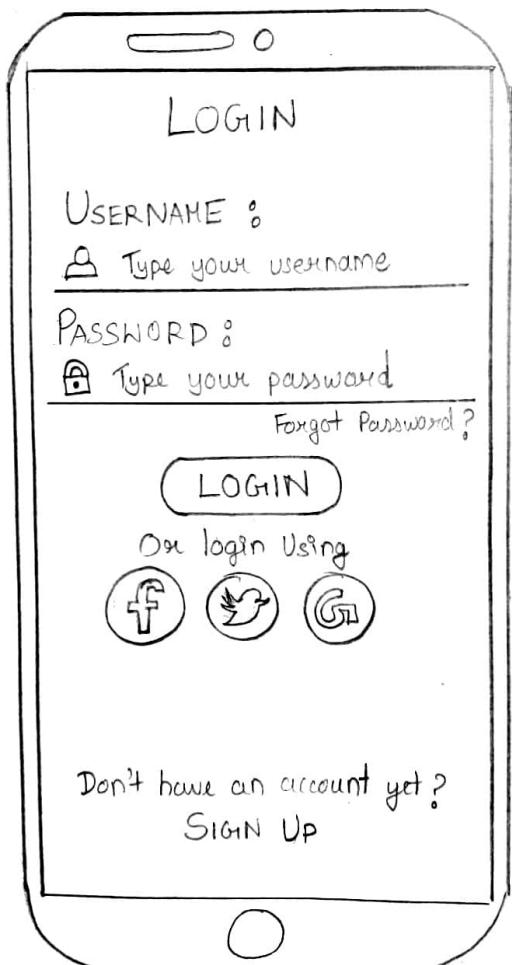
Low-Fidelity Designs

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

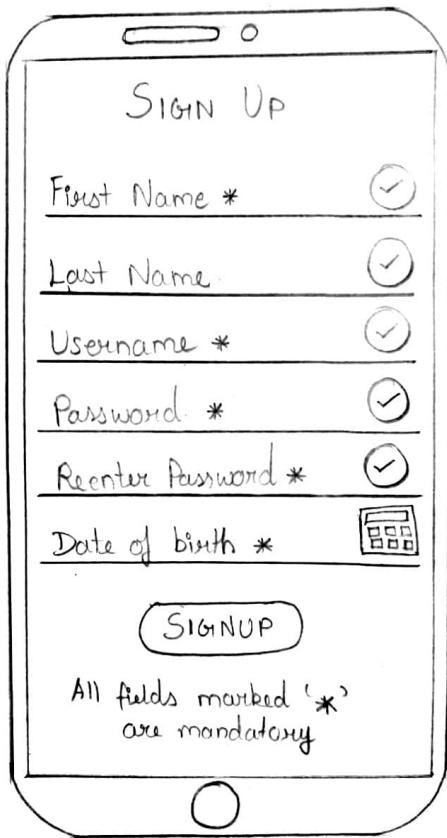
Logo:



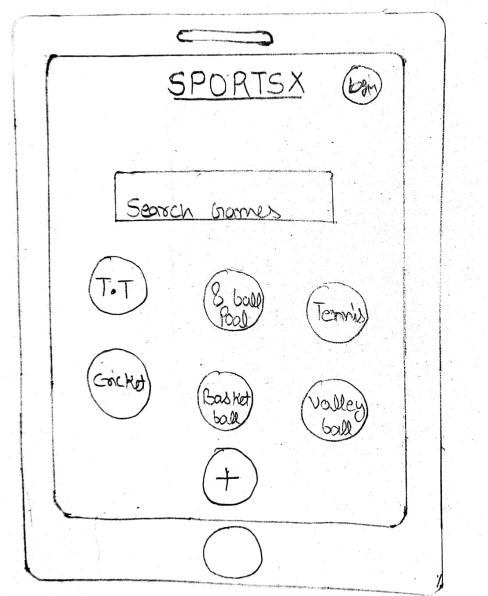
Login Page:



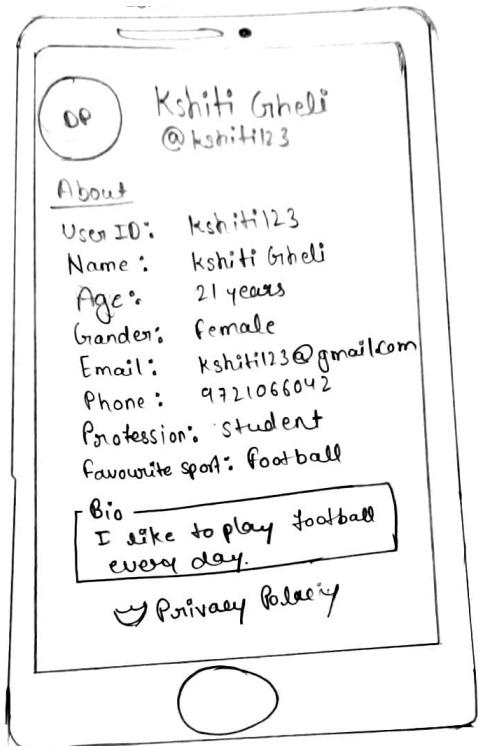
Signup Page:



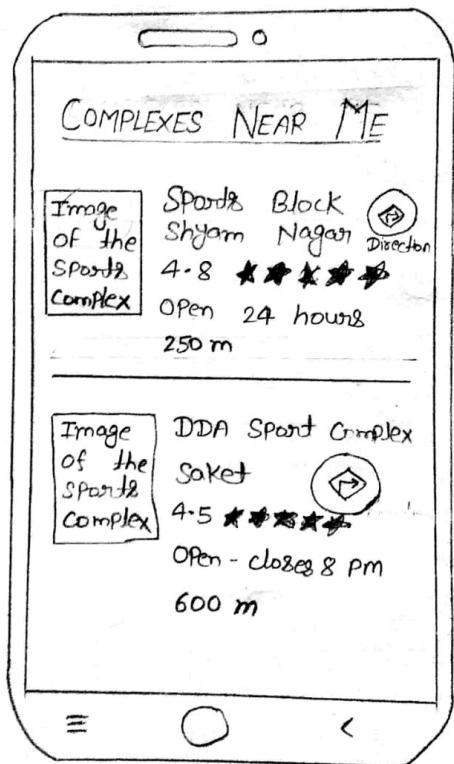
Homepage:



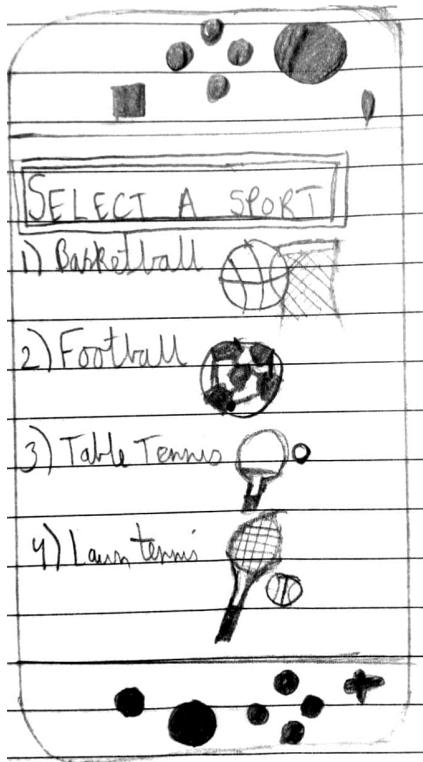
Personal Information:



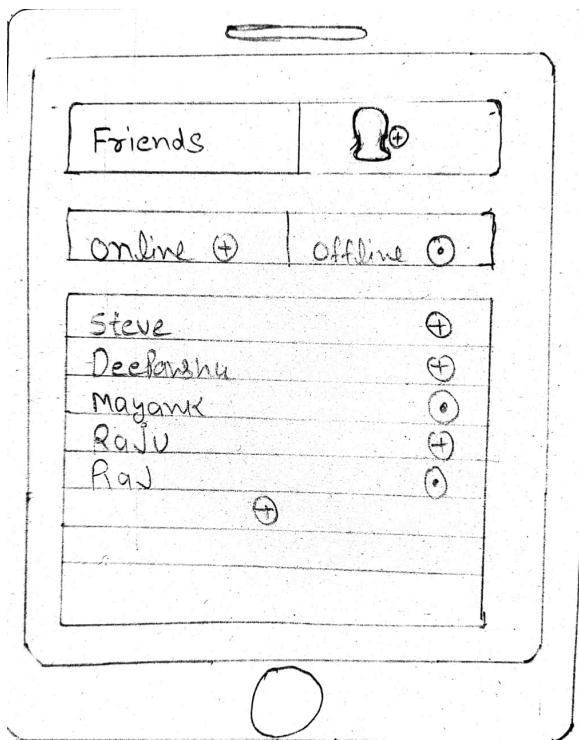
Complexes Near Me:



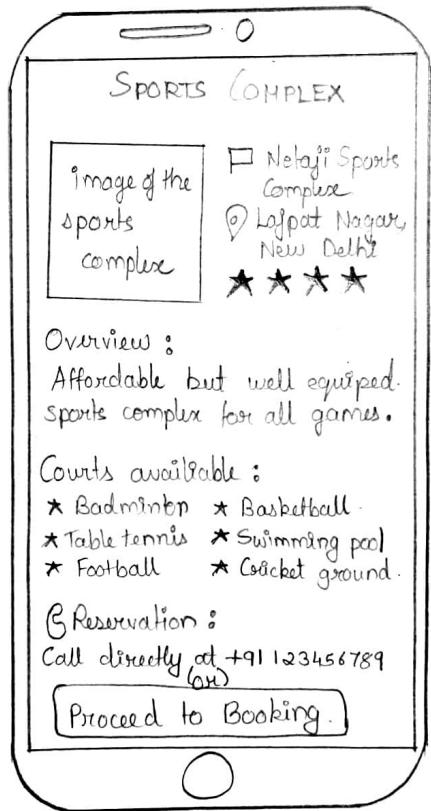
Select Your Game:



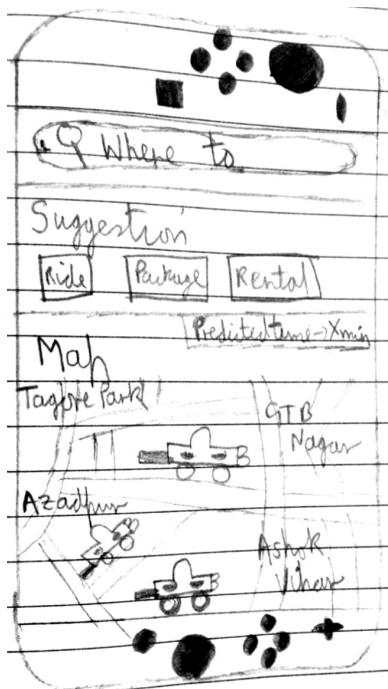
Find Your Friends/Opponents:



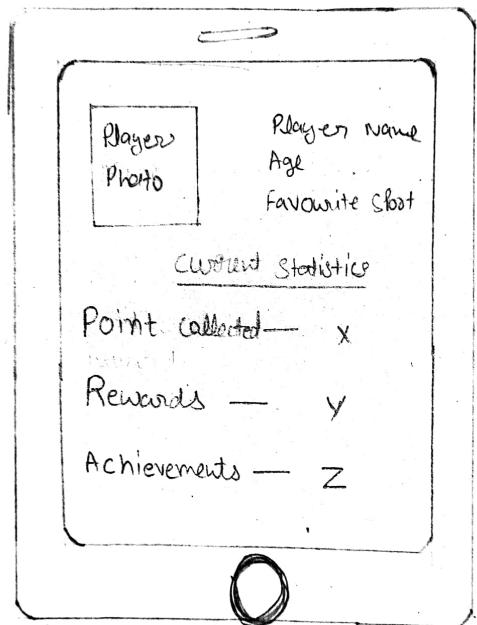
Information About Sports Complexes:



Cab Service and Maps:



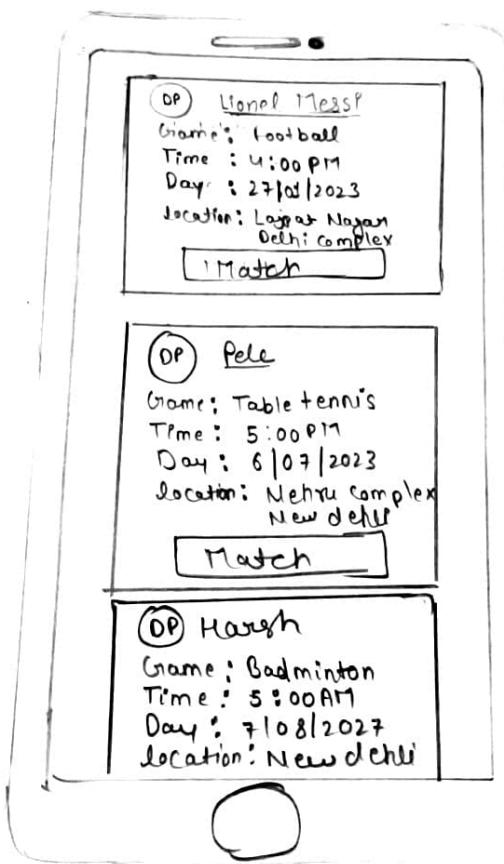
Points and Rewards:



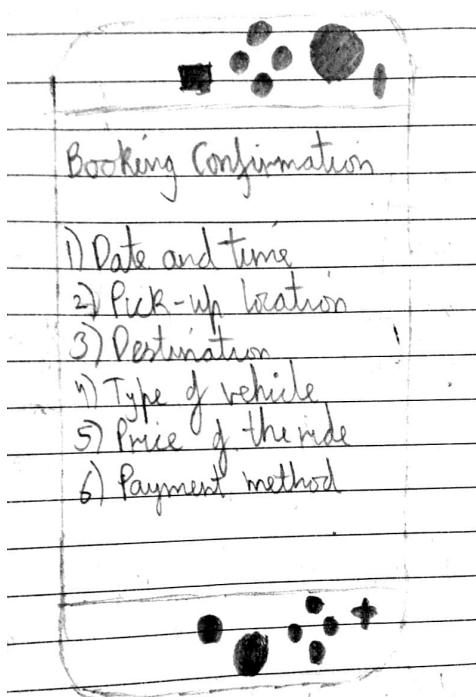
Quick Feedback:



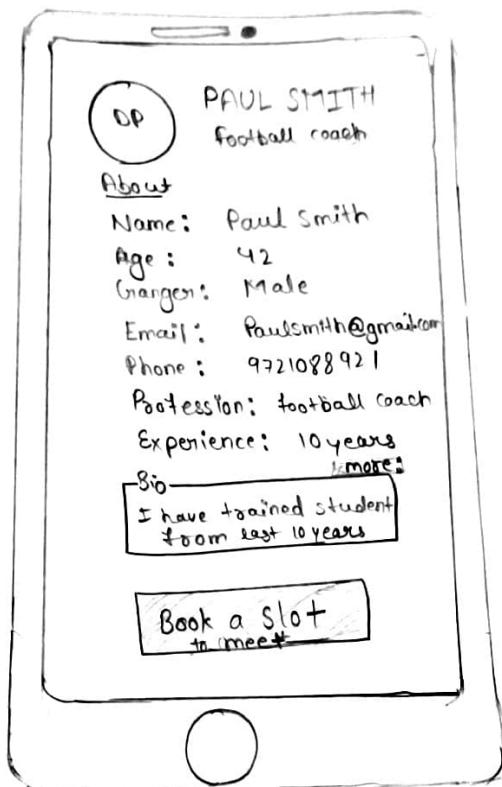
Opponent Information:



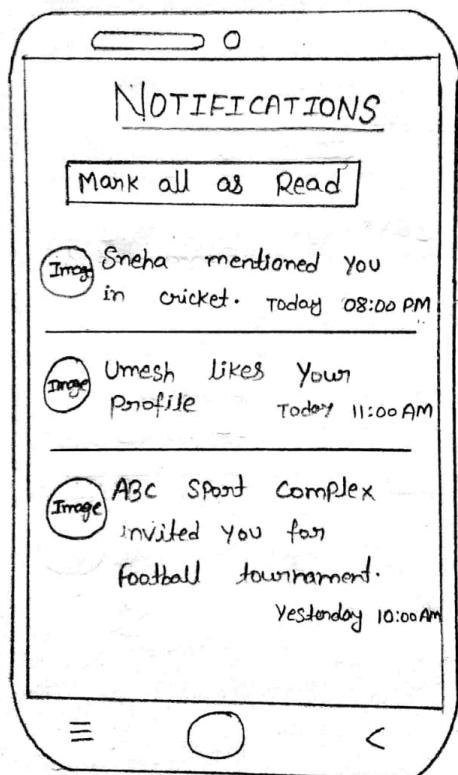
Booking Confirmation:



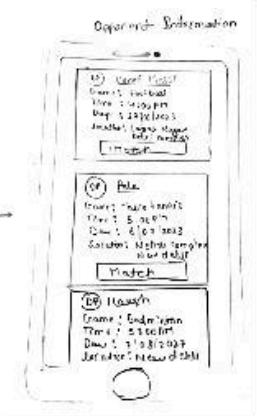
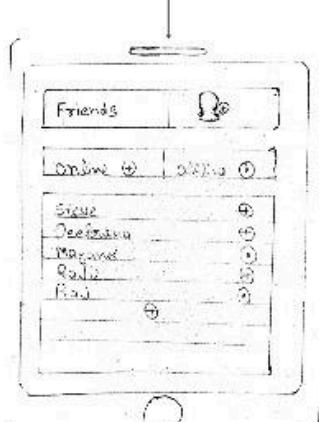
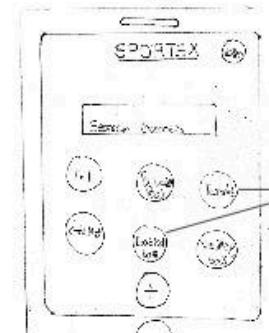
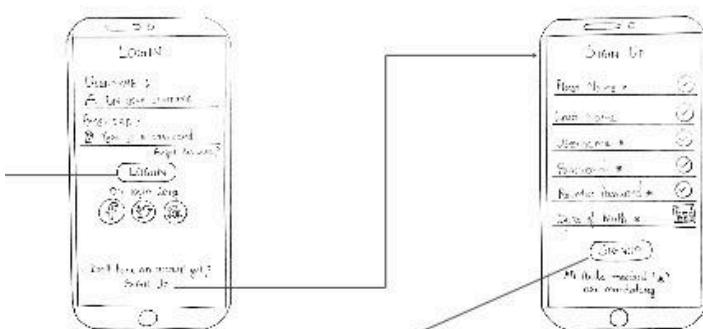
Coaches/Mentors:



Notification system/ Alert:



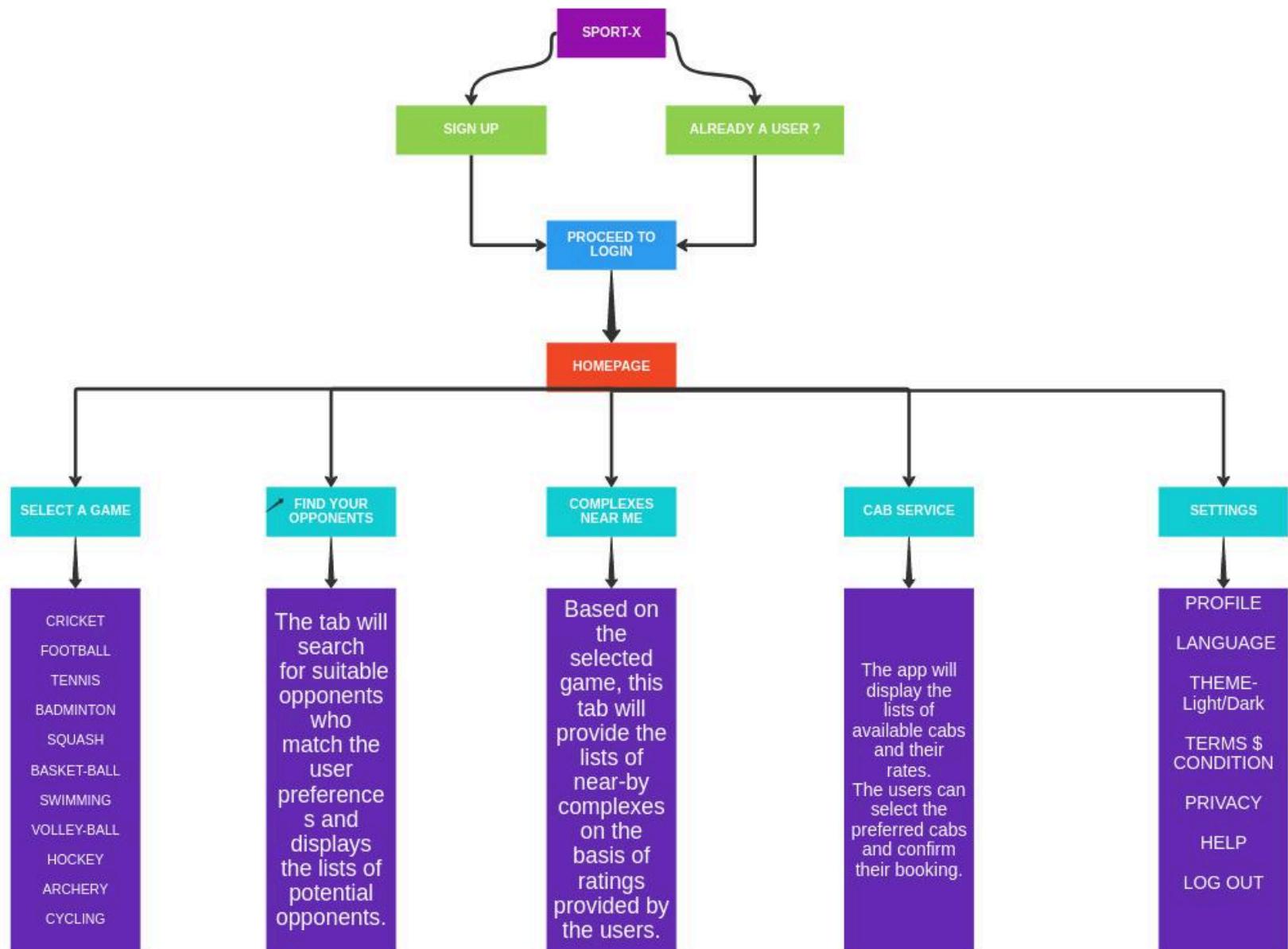
Task Flow:



Miro Link:

https://miro.com/app/board/uXjVP2VyiEA=/?share_link_id=902998440980

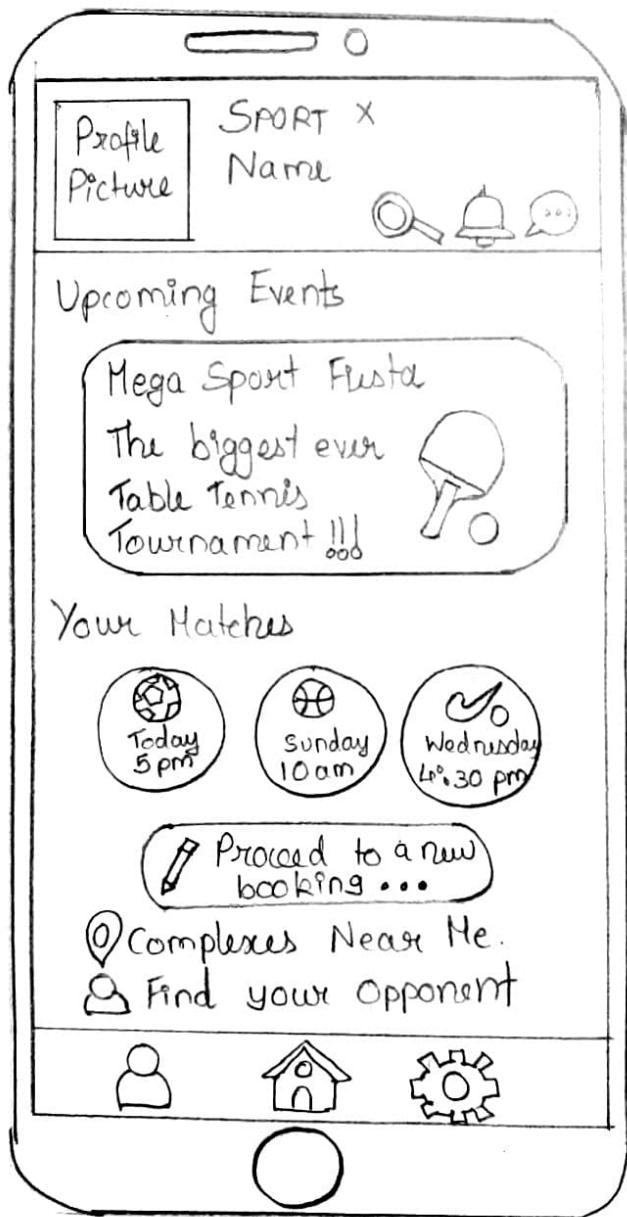
User Flow:



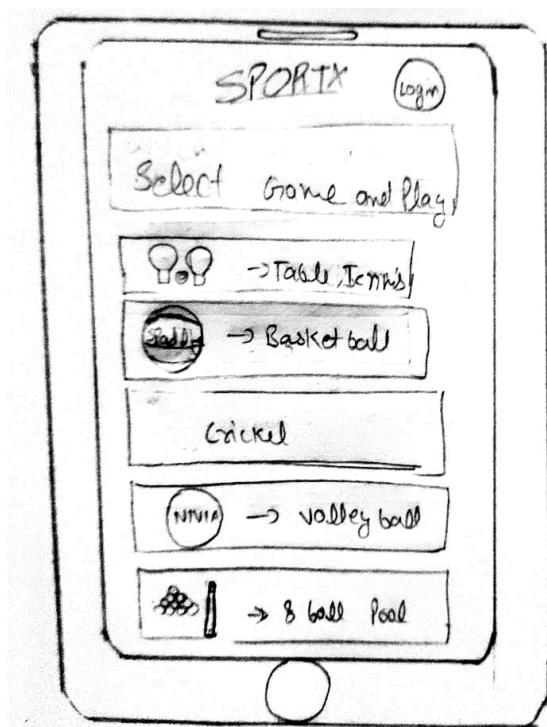
Alternate Design

< Creating alternate design(s) and task flows based on the feedback and testing>

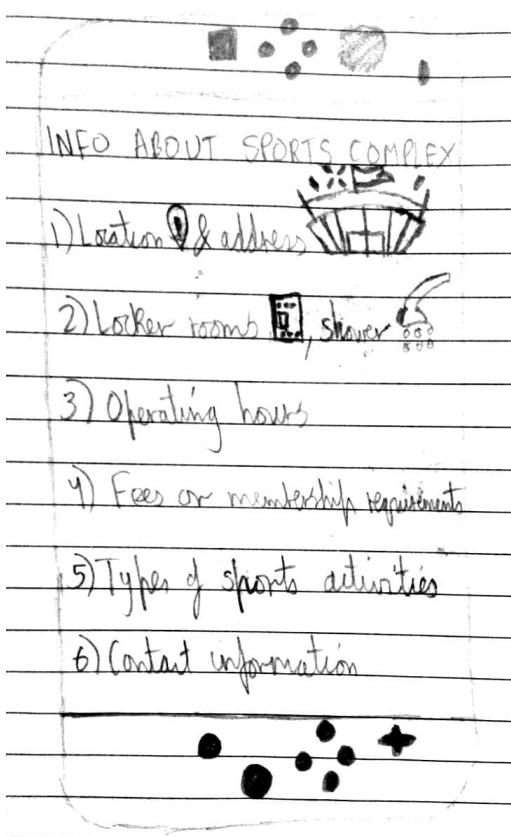
Homepage:



Select Your Game:



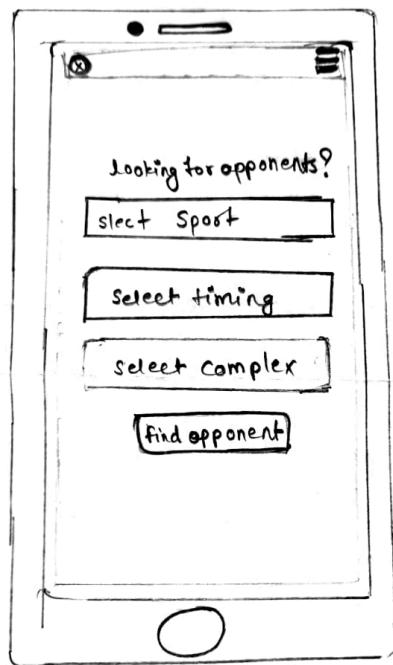
Information About sports complexes:



Feedback:



Find Your Friends/Opponents:



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 :

Contributions

<Mention the individual contributions of the group members>

Gurvender Singh, 2022192:

- Personal Information (Lowfi Design)
- Opponent Information (Lowfi Design)
- Coaches and Mentors (Lowfi Design)
- Find Your Friend/Opponents (Alternative Design)
- Feedback Page (Alternative Design)
- Google forms (Low-Fidelity Testing)
- Ideas, content, and participation in discussions

Gurupriya Vaikundam, 2022191:

- Logo
- Login Page(Lowfi Design)
- Signup Page(Lowfi Design)
- Information About Sports Complexes(Lowfi Design)
- Feedback page(Lowfi Design)
- Homepage(Alternative Design)
- Compiling the Google Doc
- Ideas, content, and participation in discussions

Hardik Sachdeva, 2022193:

- Games Want to play(Lowfi Design)
- Cab Service(Lowfi Design)
- Maps and locations(Lowfi Design)

- Booking Confirmation(Lowfi Design)
- Information About Sports Complexes(Alternative Design)
- Ideas, content, and participation in discussions

Hariom Tiwari, 2022194:

- Designing Userflow
- Designing Taskflow
- Complexes Near me(Lowfi Design)
- Ratings(Lowfi Design)
- Notification system/Alerts(Lowfi Design)
- Ideas, content, and participation in discussions

Harsh, 2022195:

- Homepage(Lowfi Design)
- Find Your Friends/Opponents(Lowfi Design)
- Points and Rewards(Lowfi Design)
- Games Want to Play(Alternative Design)
- Scanning the Sketches
- Ideas, content, and participation in discussions