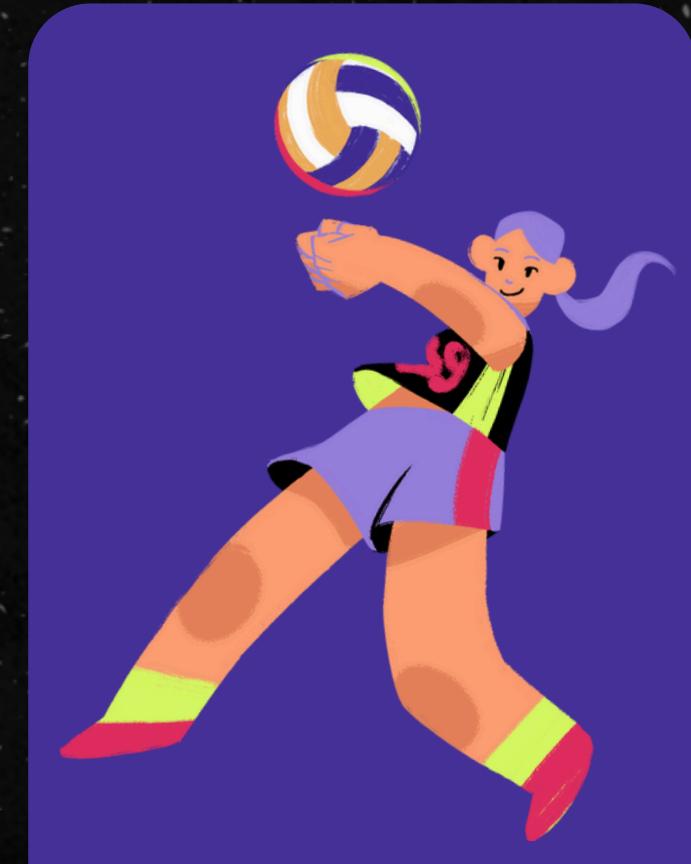
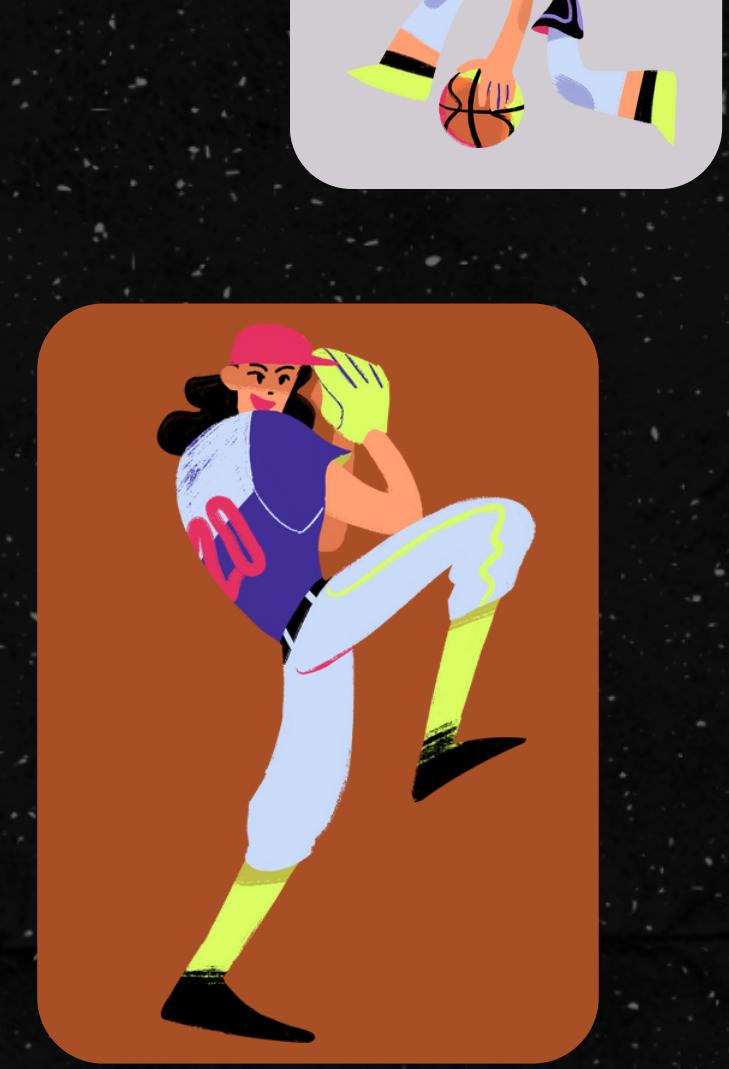


DOMESTIC GAME SUPERVISION SYSTEM

UNIVERSITY SPORTS APP

TEAM - 4



OBJECTIVES

01

To create a comprehensive analysis of attendance among athletes in different sports

02

To create a comparative analysis of the performance of various teams in the university

03

To automate the entire process by integrating backend and cloud services and develop an application



TECH STACK

Frontend: ReactJS

Backend: Firebase/Supabase (subject to change)

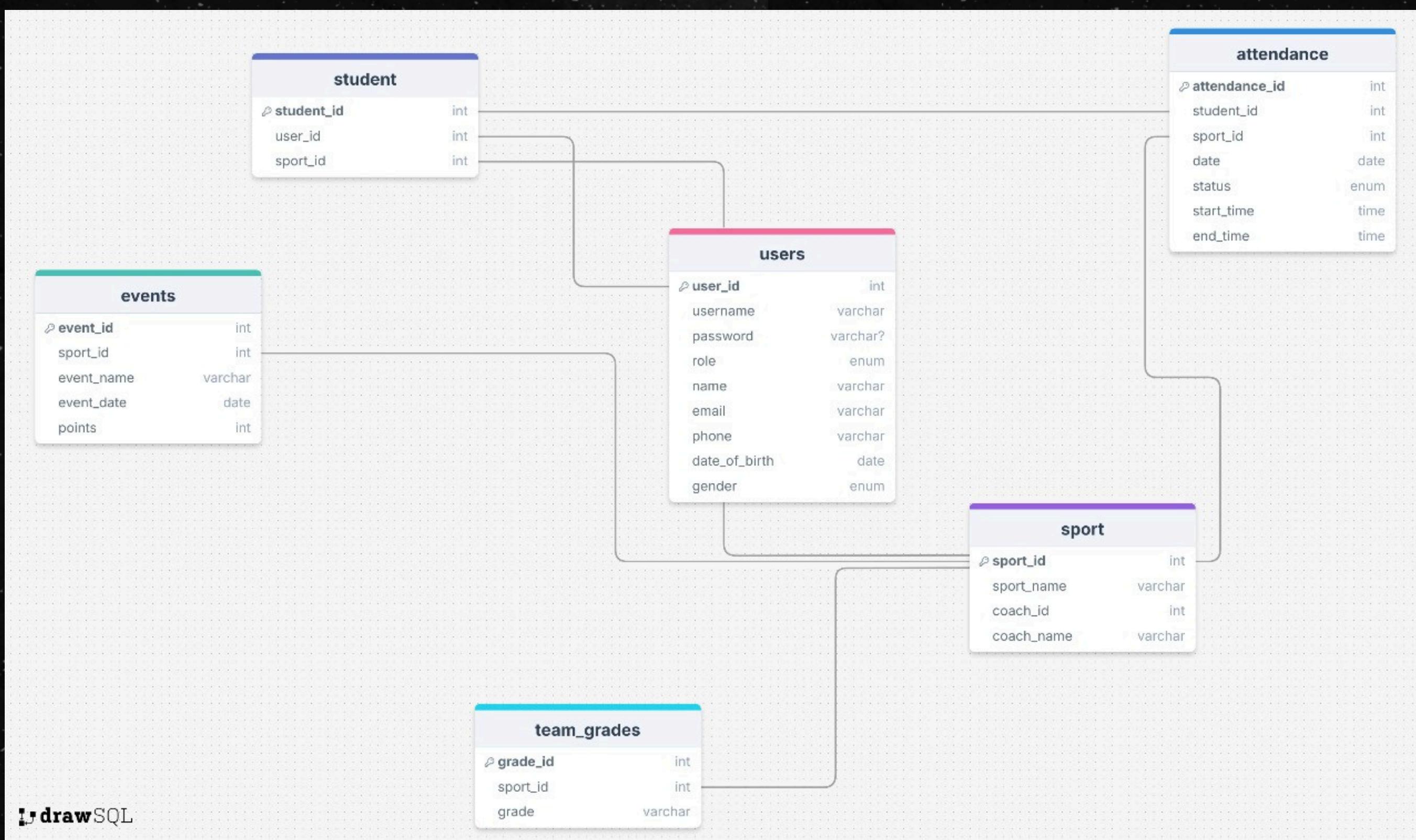
Backend for local machine: MySQL/SQLStudio

Data Analysis Aid: DuckDB

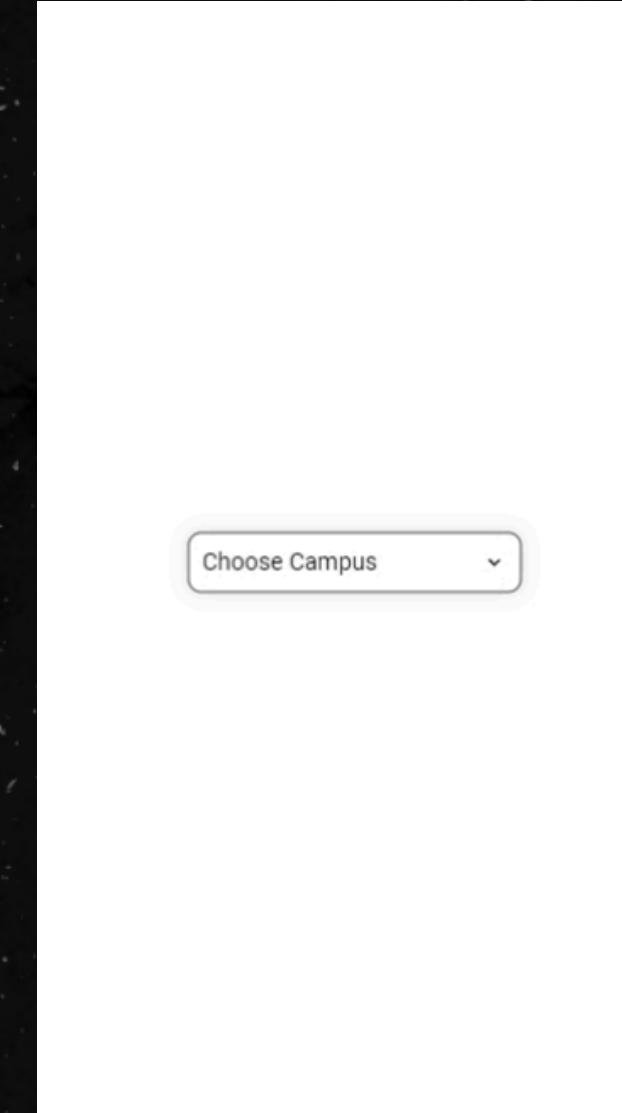
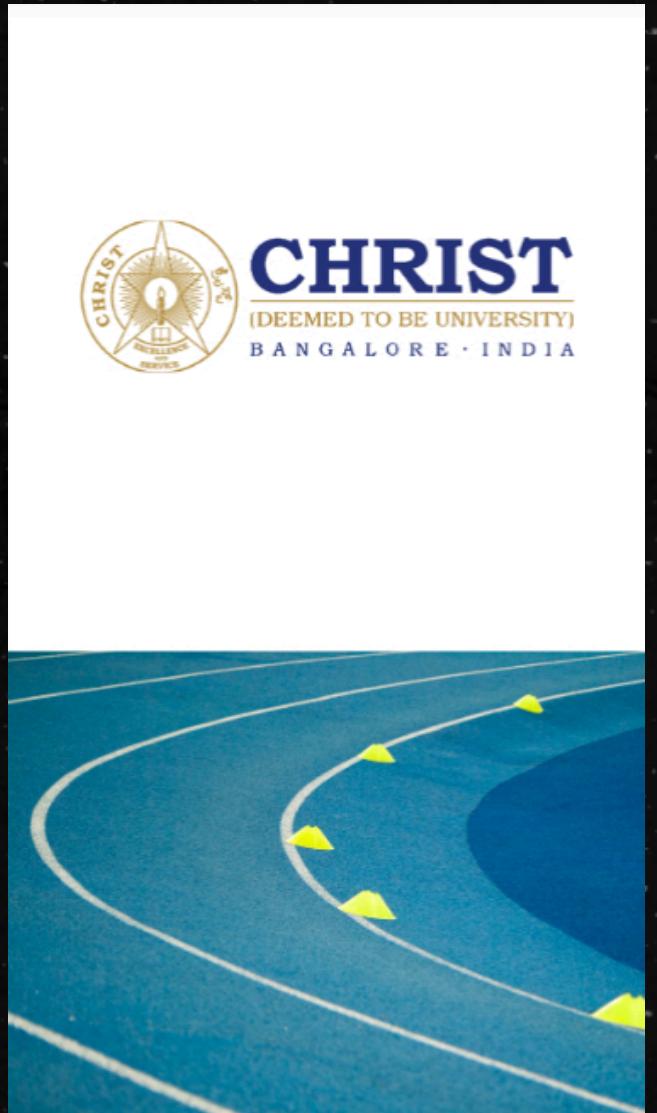
Other tools: Google Sheets API for data integration



DATABASE DESIGN



PROTOTYPE DESIGN



CHRIST
(DEEMED TO BE UNIVERSITY)
BANGALORE · INDIA

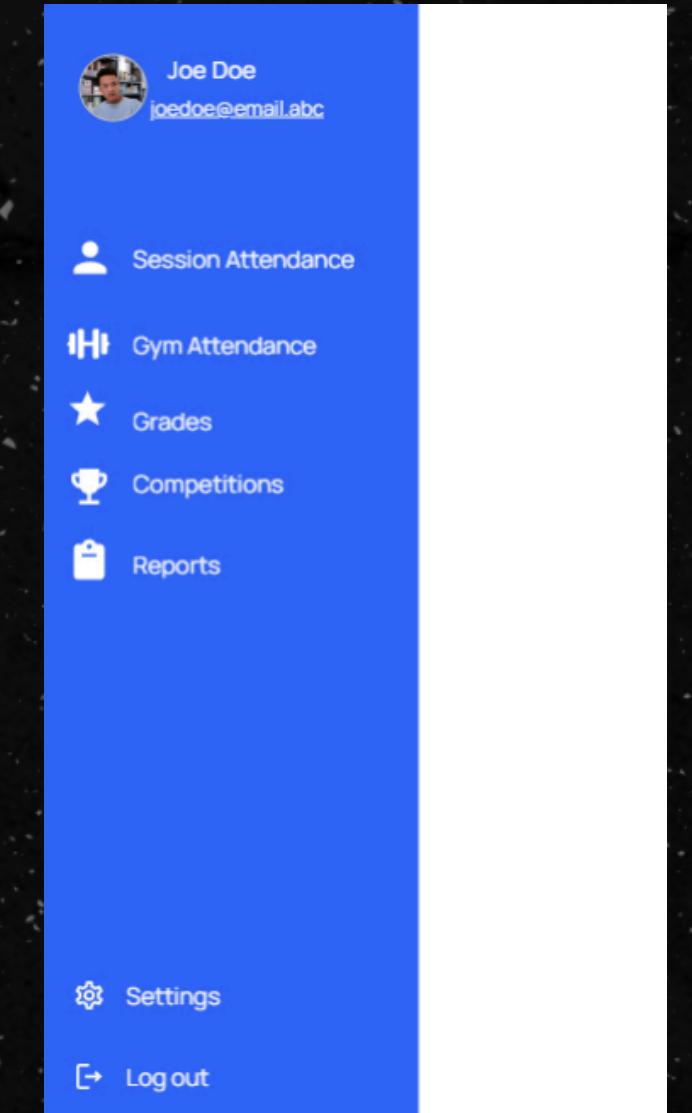
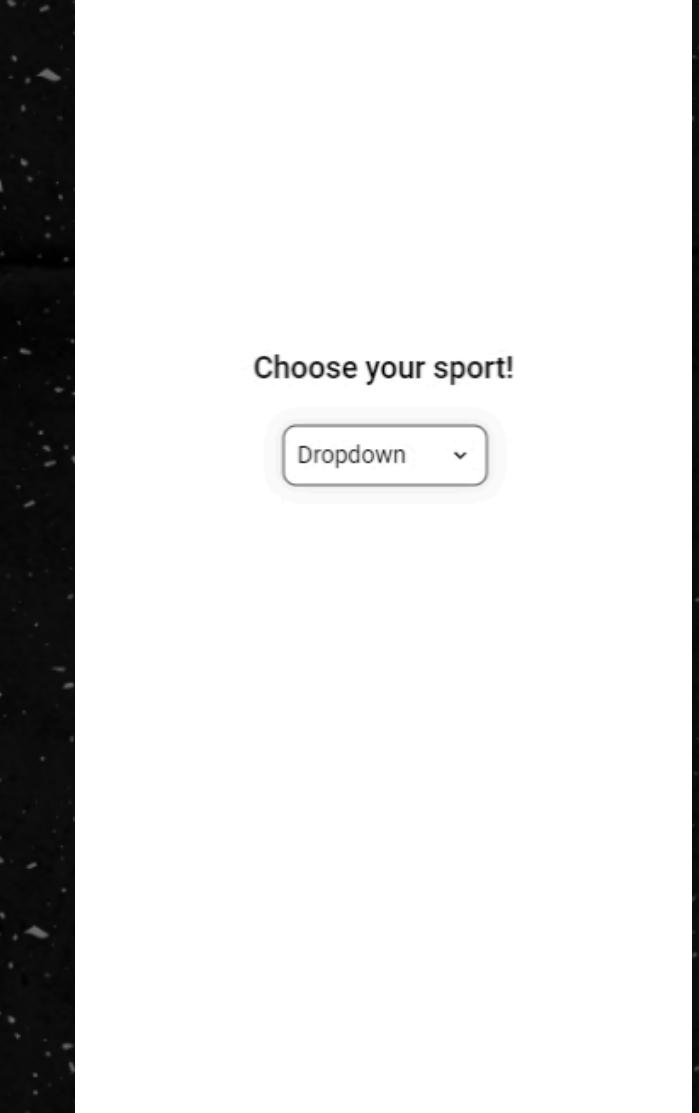
Sign in!

Email
Enter your email address

Password
Enter your password

Log in

[Forgot your password?](#)



 Joe Doe
joedoe@email.abc

 Session Attendance

 Gym Attendance

 Grades

 Competitions

 Reports

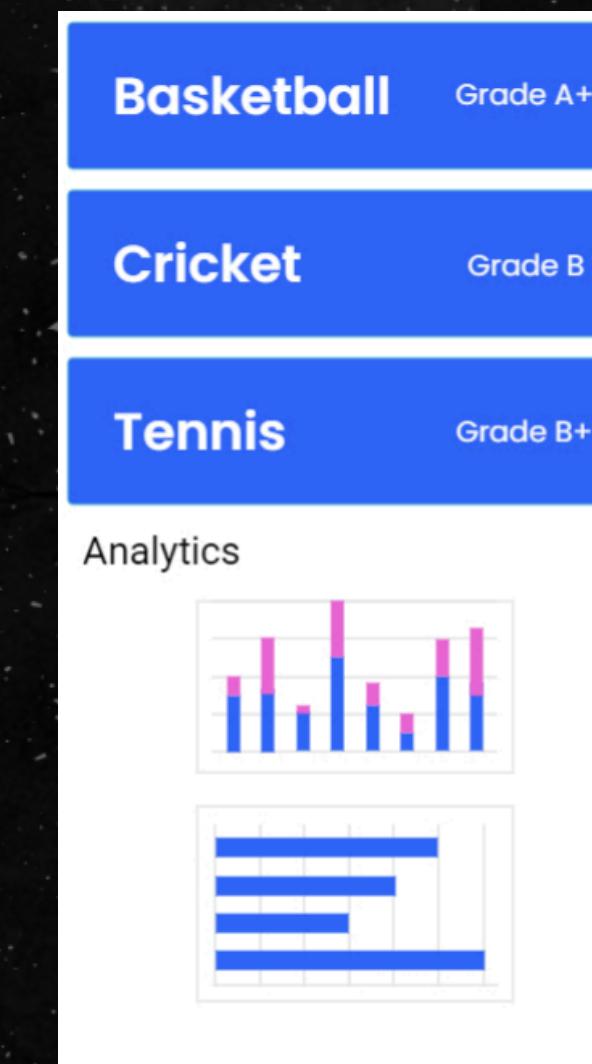
 Settings

 Logout

Choose Sport

Start time End time
Total Hours

 Student 1 2348300	<input type="radio"/>
 Student 2 2348300	<input type="radio"/>
 Student 3 2348300	<input type="radio"/>
 Student 4 2348300	<input type="radio"/>
 Student 5 2348300	<input type="radio"/>

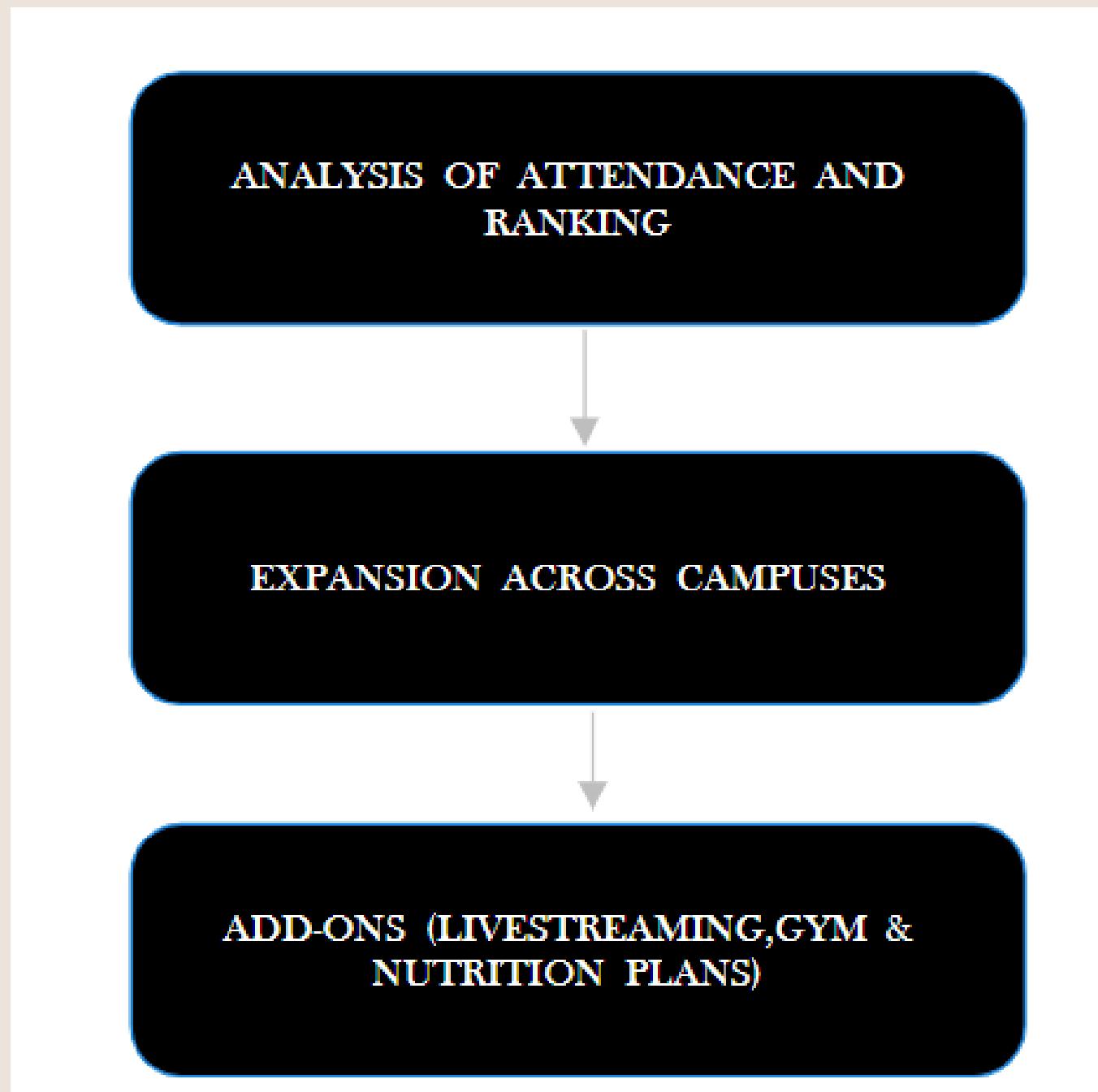


South Zone Basketball Women	Points: 150
National Basketball Men	Points: 150
Southzone Cricket Men	Points: 150

Select Competition

Select Sports Team

PHASES OF IMPLEMENTATION



CONSTRAINTS

- i) Must adhere to the university's data privacy policies to ensure the security and confidentiality of student information.
- ii) Should comply with Android and iOS design guidelines to provide a consistent and intuitive user experience across devices.
- iii) Needs to be optimized for various screen sizes and hardware capabilities, ensuring smooth performance on all supported devices.
- iv) Initial backend implementation will use a local machine setup, with plans to transition to Firebase or Supabase once requirements are met and funds become available.
- v) Thorough testing is required to ensure the app functions effectively within the network speed constraints of the campus environment.



FUTURE SCOPE & CONCLUSION

The app aims to enhance university sports management through efficient attendance tracking and performance analysis, leveraging technologies such as ReactJS, DuckDB, and Firebase/Supabase. While the initial implementation will address core functionalities and adhere to design constraints, there is significant potential for future growth. Enhancements could include integrating IoT sensors for live streaming, expanding analytics capabilities, and extending support to additional campuses and sports. With a focus on compliance, optimization, and scalability, the project is well-positioned for successful deployment and offers promising opportunities for further development.



THANK YOU

