



Vivekanand Education Society's Institute Of
Technology
Department Of Information Technology

FC Bayern Tracker



An app to track
Football club FC
Bayern



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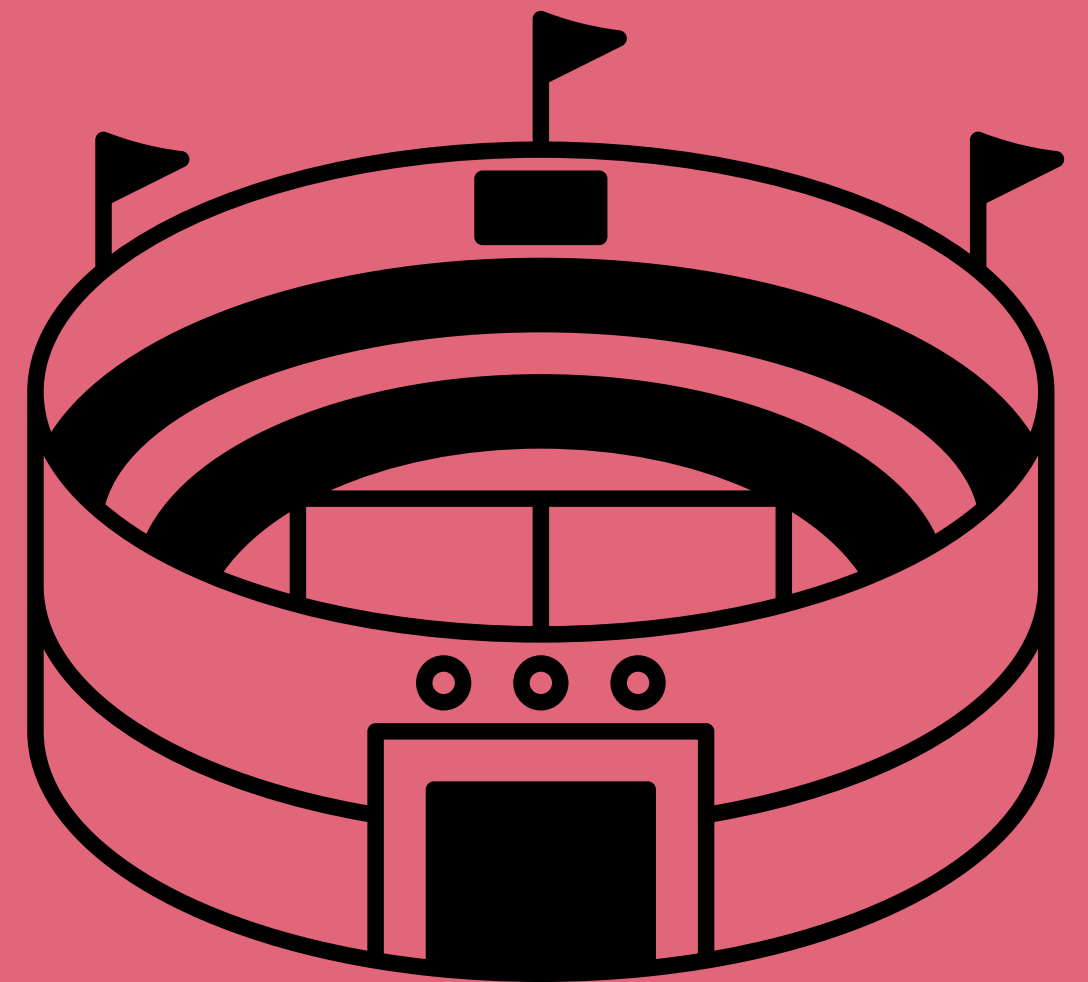
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Introduction



- Providing a dedicated app for your club needs
- Tracking the stats of the football club
- Getting to know more about the team



Problem statement

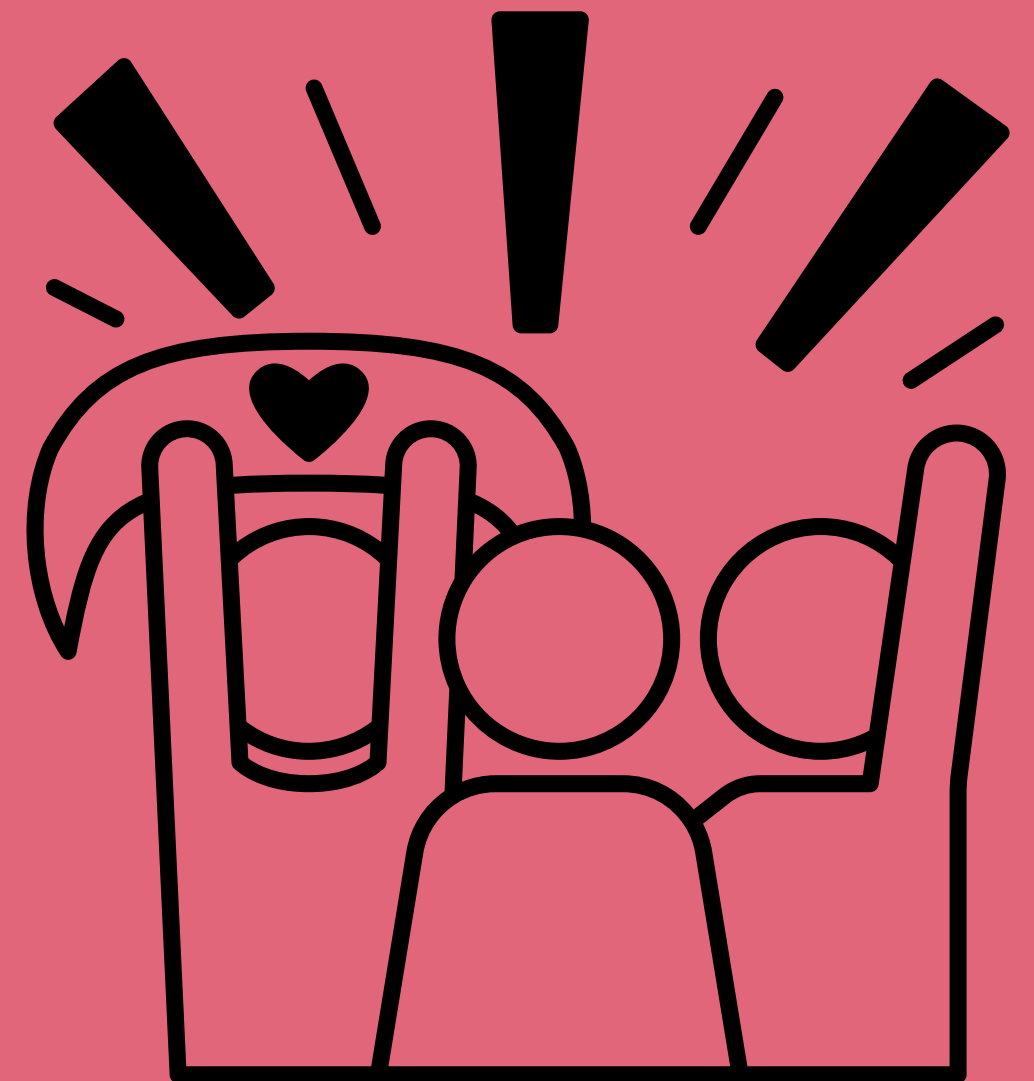


- Complex existing apps
- Focus on other clubs
- Size heavy apps



Objectives

- A simple way to track the club
- Having a dedicated app for the football club
- A light app to that provides basic needs of a fan



Requirements of the system (Hardware)

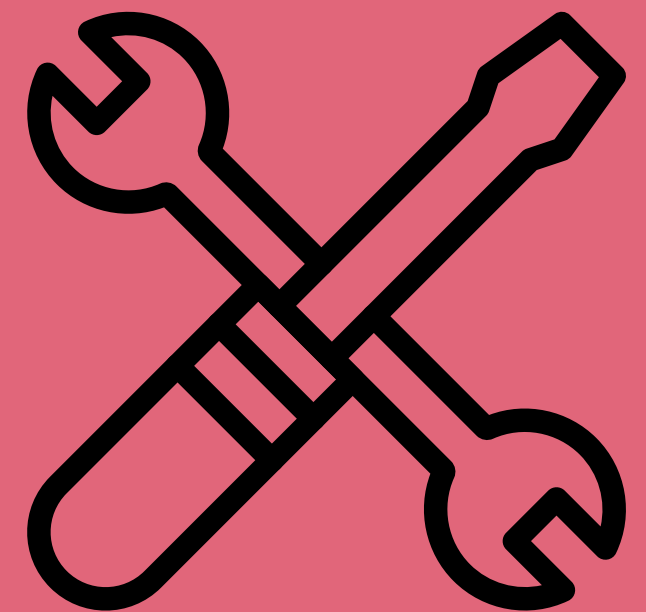


Development Machine:

- Processor: Intel Core i5 or better (or equivalent)
- RAM: 8 GB minimum, 16 GB recommended
- Storage: At least 10 GB of free space for the development environment
- Dependencies, and project files
- Internet Connection:

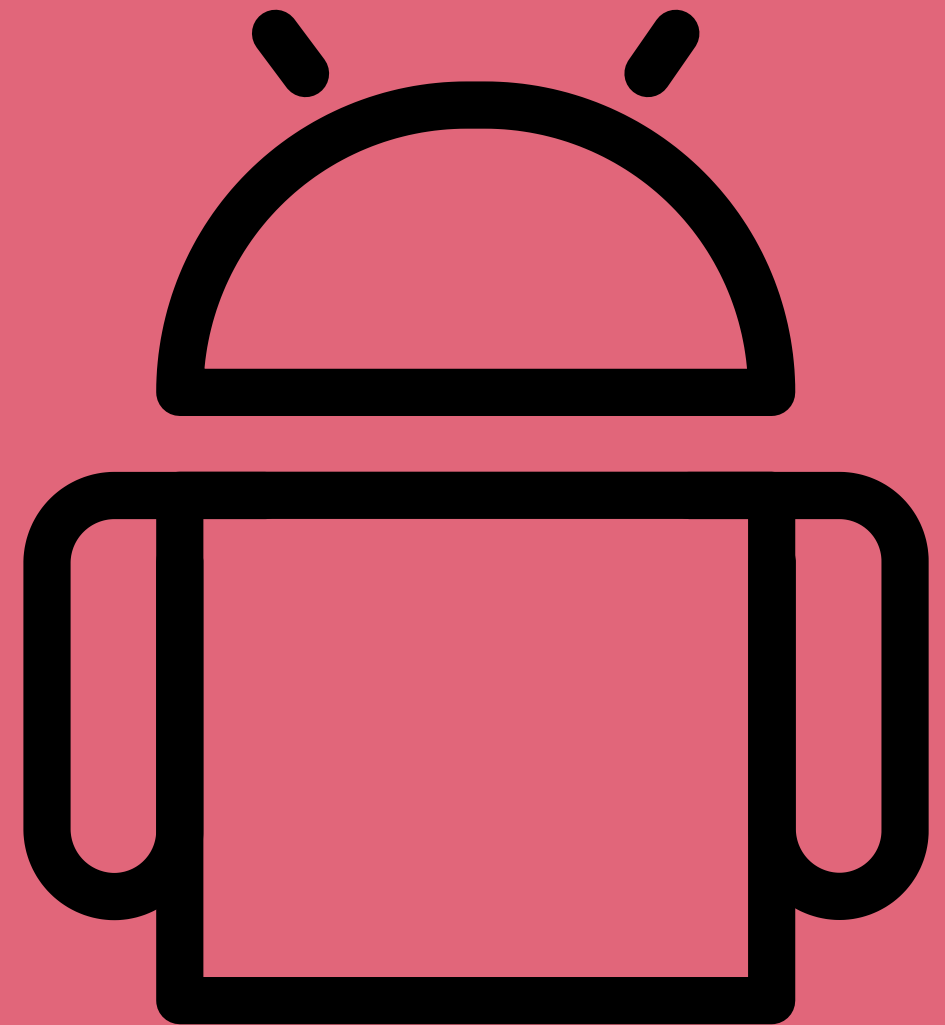
User Devices:

- Mobile Devices: Compatible with modern iOS and Android devices
- Screen Resolution: Supports various resolutions for compatibility across devices

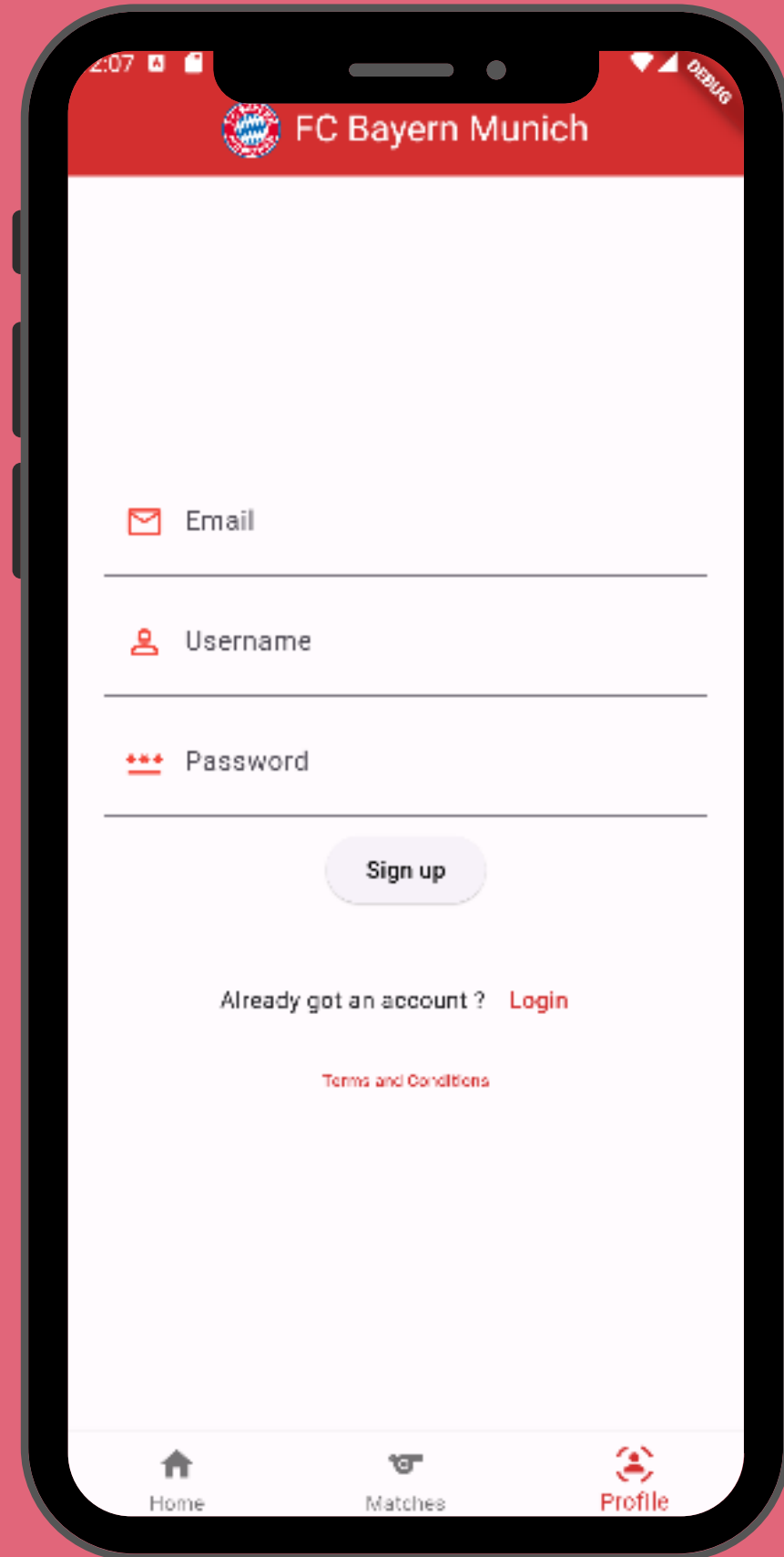


Requirements of the system (Software)

- Development Environment
- Flutter SDK
- Dart
- Android Studio IDE
- Android emulator
- Git
- [Football-data.org](https://www.football-data.org/) API
- Firebase

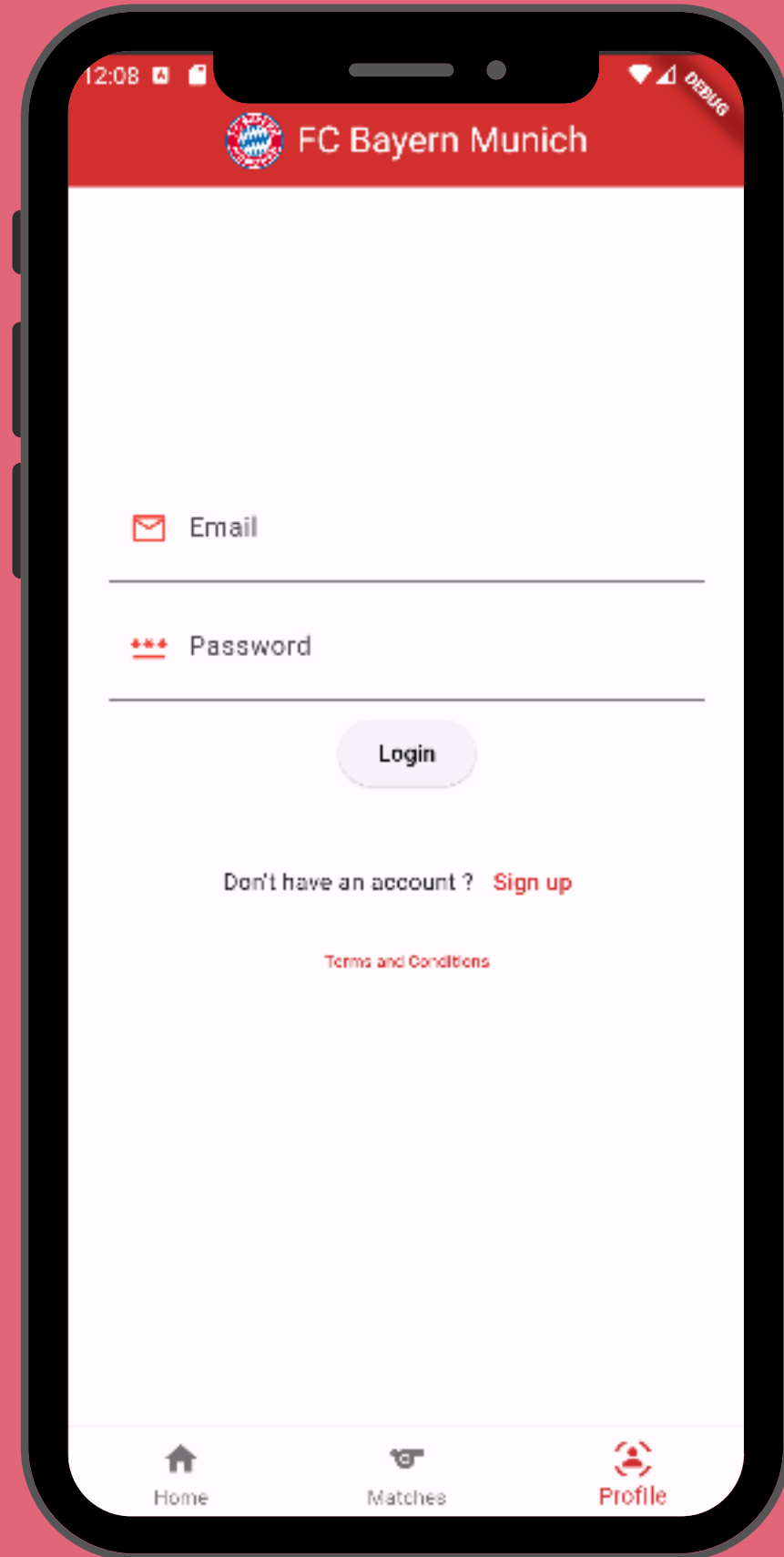


Registration



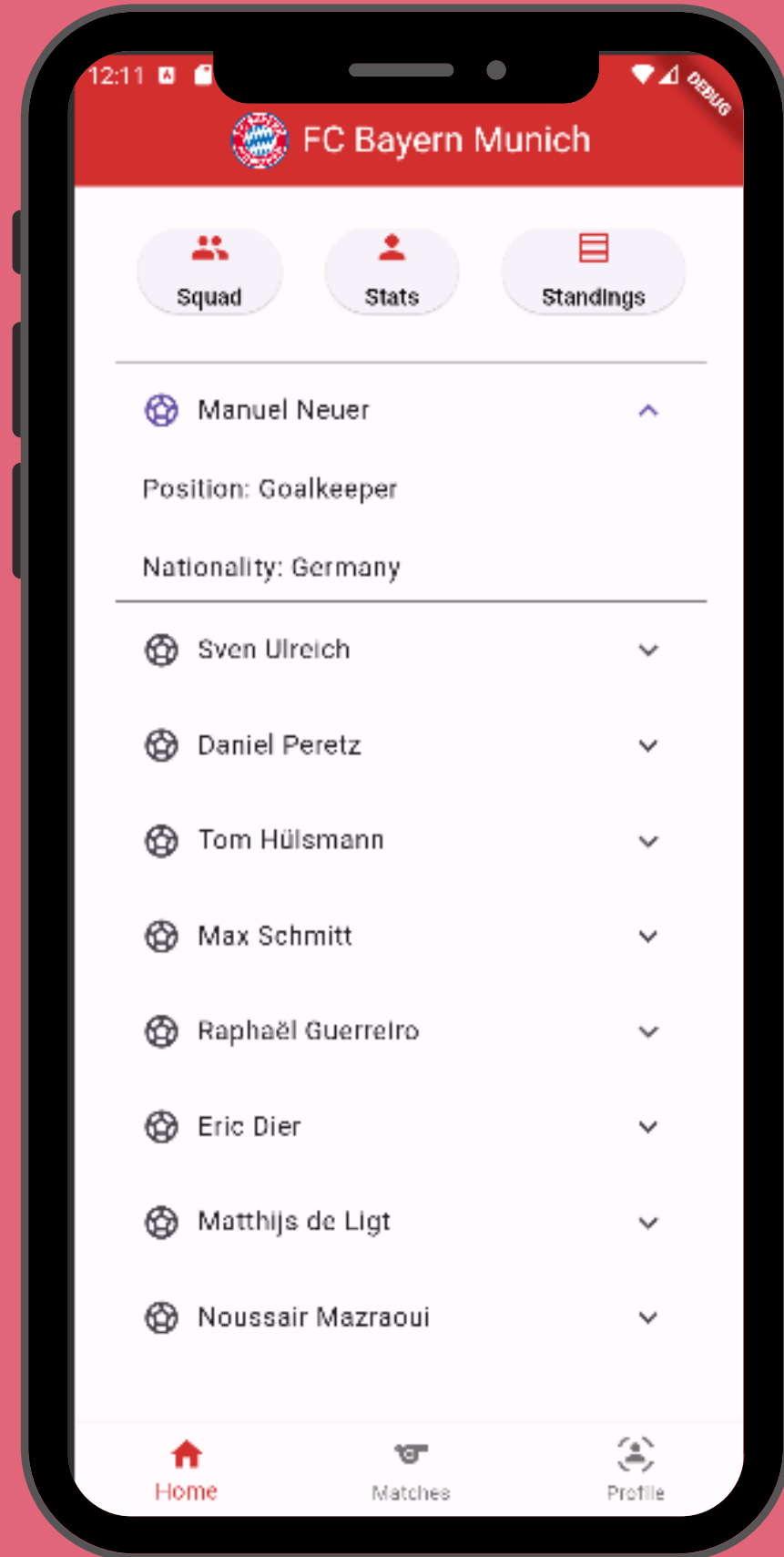
User can sign up in the app,
which is done by firebase's
createuserwithwithemailandpass
word

Login



User can login in the app,
which is done using
firebase's
signinwithemailandpassword

Home page

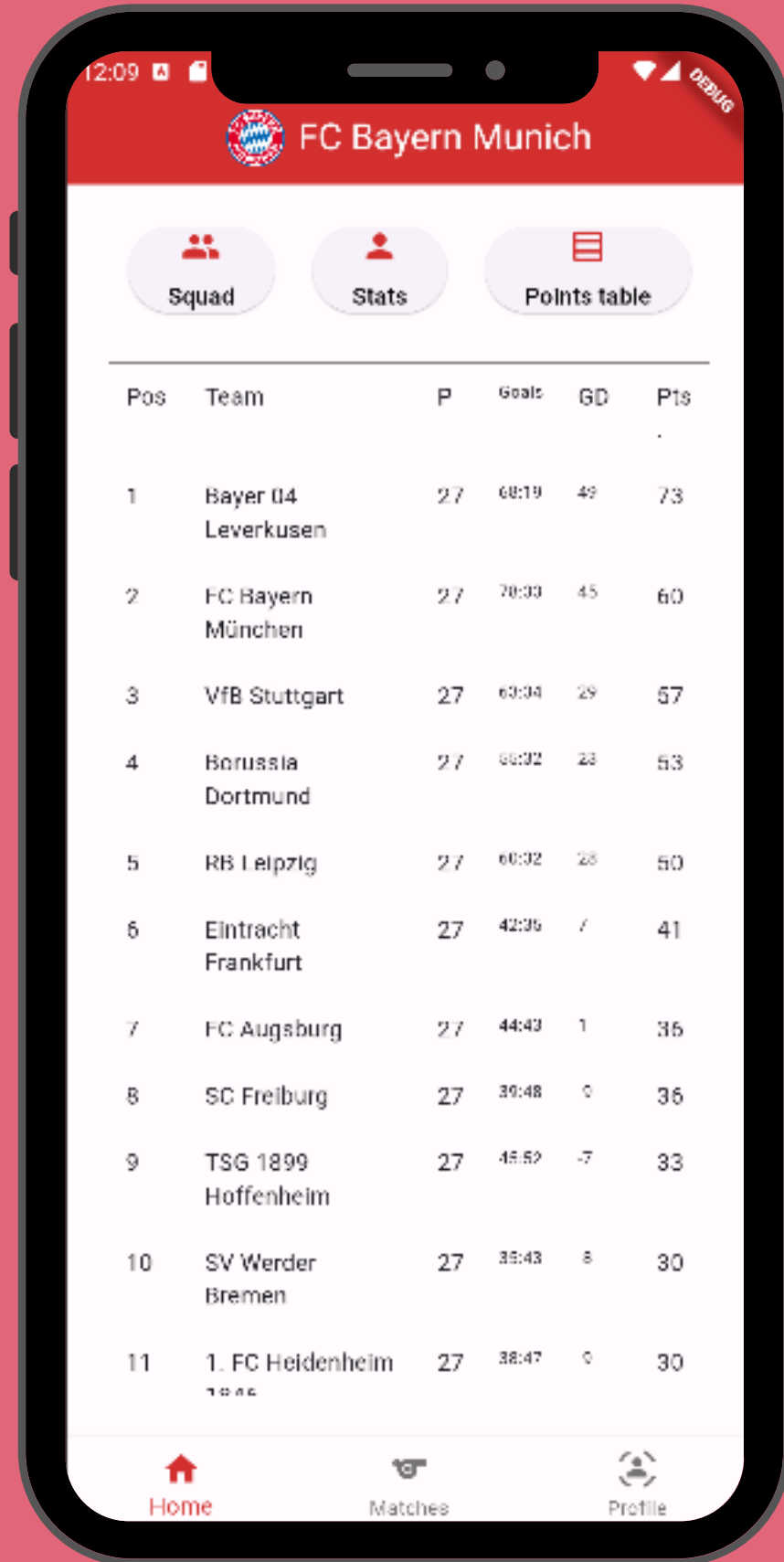


Home page, where the user gets the entire up-to-date squad of the entire team

Standings page



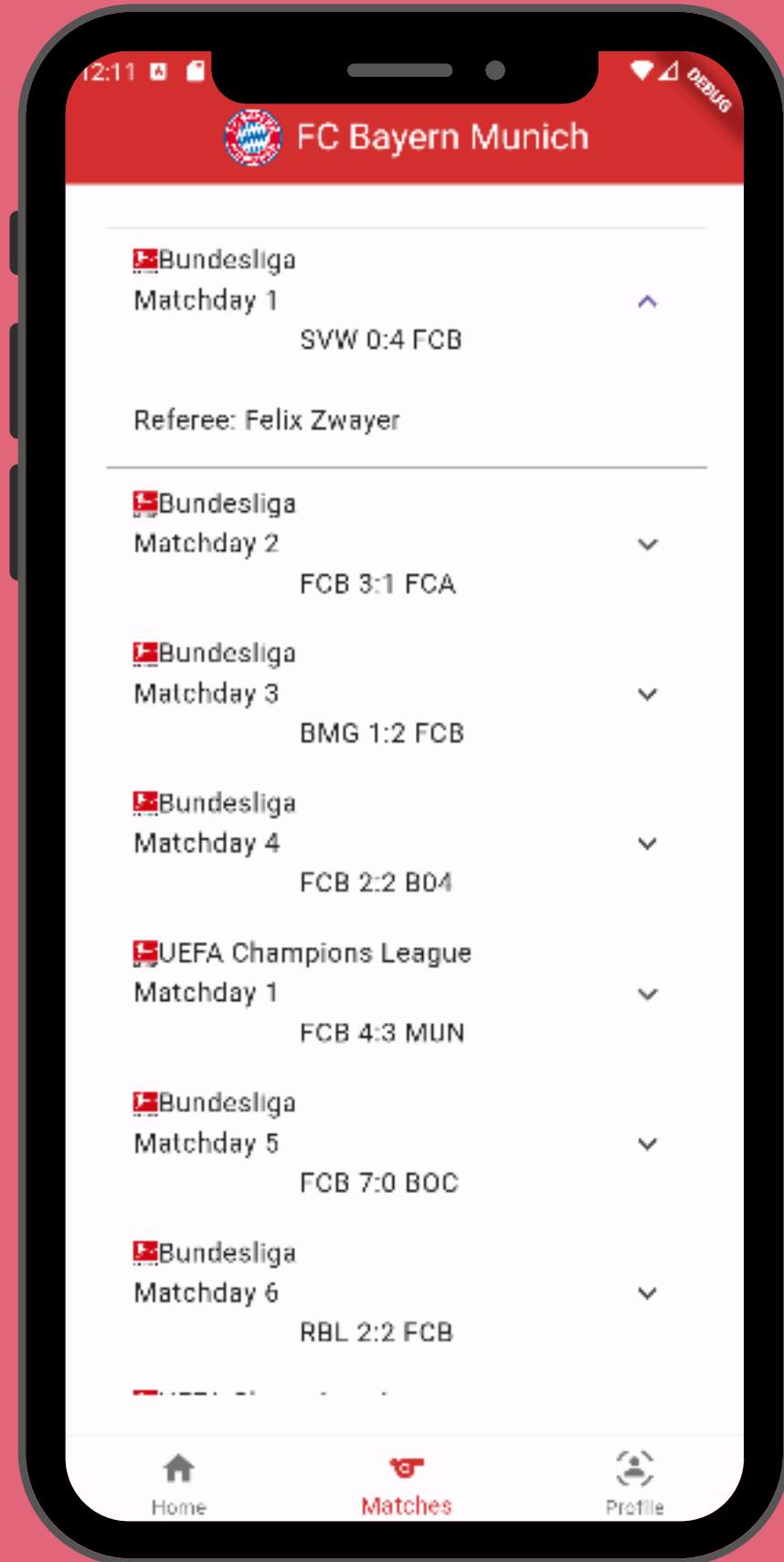
Standings page, where the user can see the standings of the team's home competition



Matches page



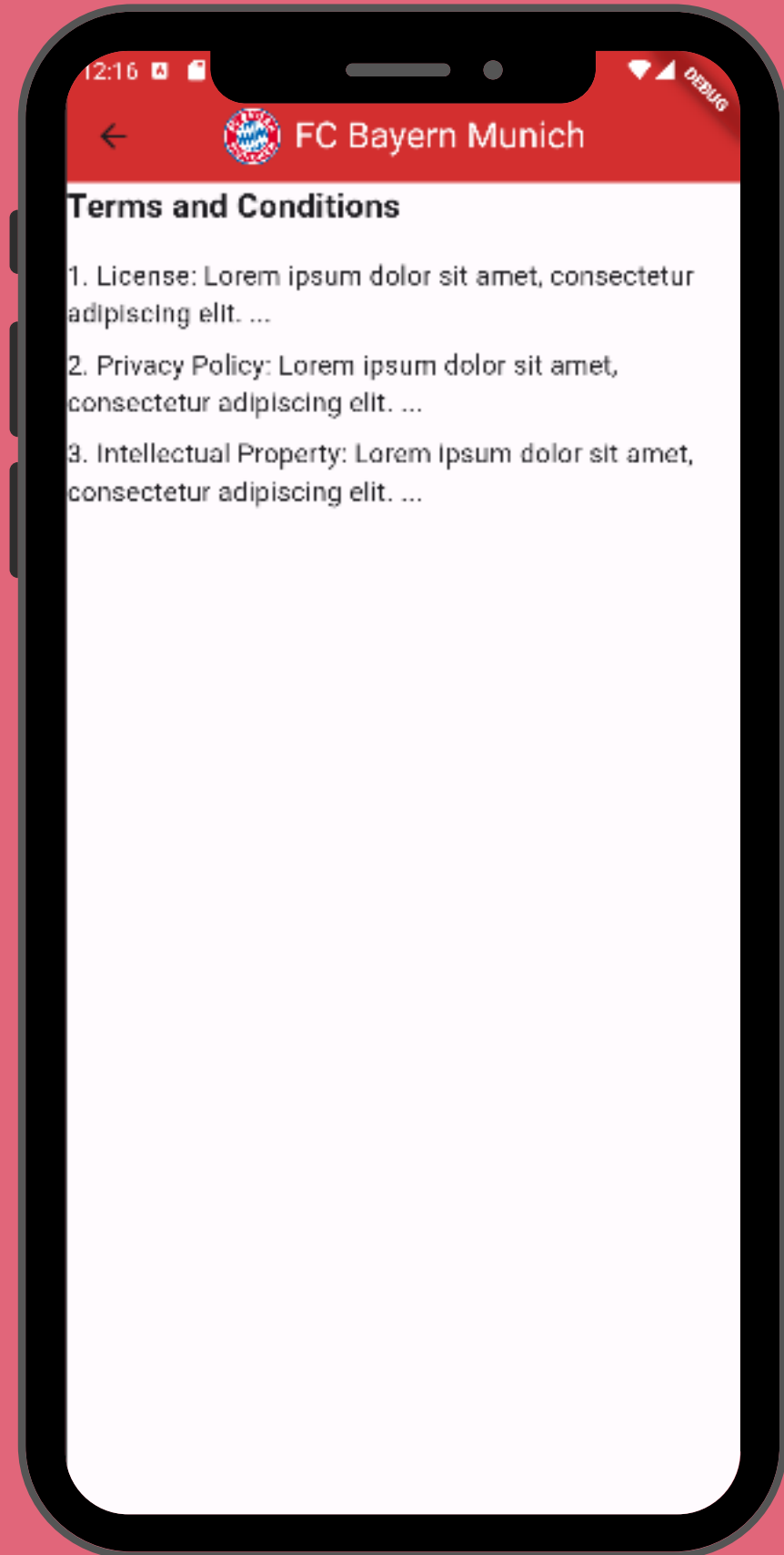
Matches page, here the user gets the performance for all the previous matches



Terms page



A simple stateless terms
and condition page,
which is done using
routes



Firestore Authentication



FCBayern ▾

Authentication

[Users](#) [Sign-in method](#) [Templates](#) [Usage](#) [Settings](#) [Extensions](#)

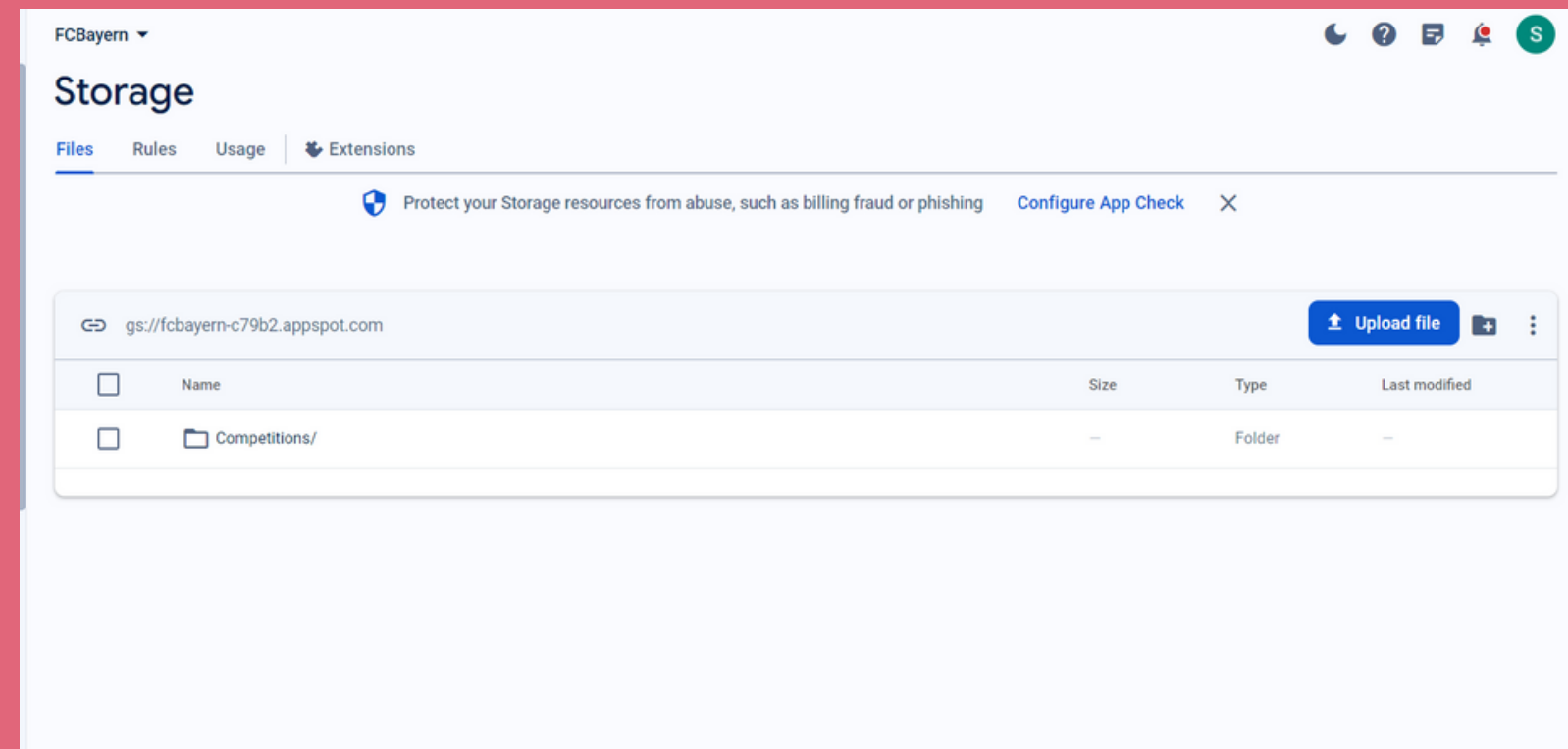
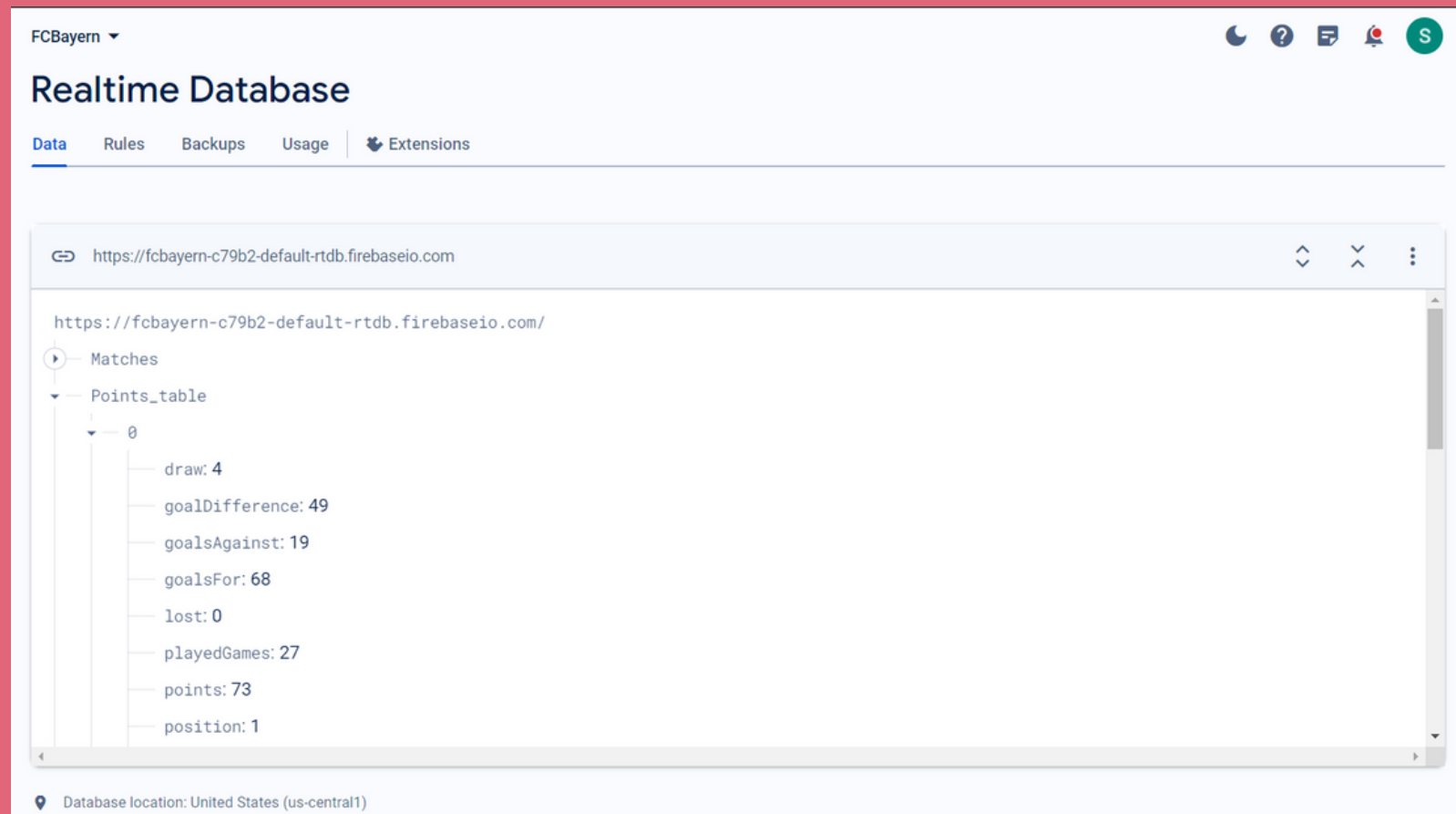
[Add user](#) [Refresh](#) [More options](#)

Identifier	Providers	Created ↓	Signed In	User UID
sohamphalke2003@gm...		Apr 4, 2024	Apr 4, 2024	2b5A6dyLEtXfJAm9dxsAdGSI...

Rows per page: 50 ▼ 1 – 1 of 1 < >

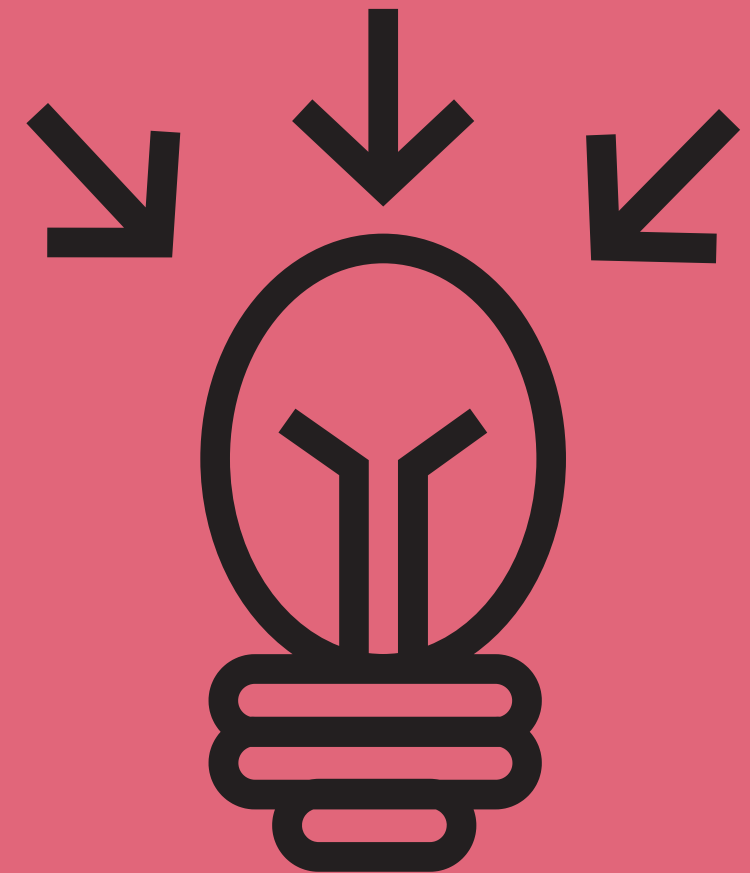


Firebase RTDB & storage



Conclusion

- Comprehensive Football Experience
- Real-Time Database Integration
- API Integration for Data Enrichment



References

- `firebase.google`. "Add Firebase to your Flutter app".
"<https://firebase.google.com/docs/flutter/setup?platform=android>". (June 2 2024)
- `football-data.org`. "API Reference". "<https://www.football-data.org/documentation/quickstart>". (May 20 2022)
- `NetNinja`. "Flutter tutorial for beginners". "<https://www.youtube.com/@NetNinja>". (Aug 21 2019)

