


Introduction


Mouthpiece is a social media app whose motivation is seamlessly sharing posts, pictures, and videos for a community of those interested in sports. This app will connect athletes, sports fans, team members, etc.

This will be different from other social media platforms such as Twitter, Instagram, or Tik Tok by allowing sports fans a dedicated platform aimed around sports to reach a bigger audience. If they were to post on those other social media apps, their skills and hard work may become drowned out by the other posts of different topics.


Project Scope




Customized User Profiles



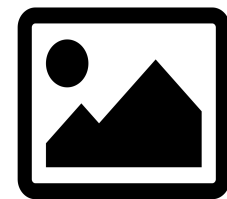
Curated Newsfeed



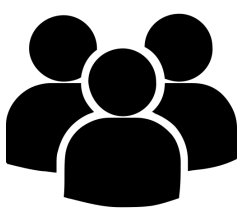
Customized User Profiles




Geolocation Functionality



Video & Picture Posting



Team Profiles



Tournament Functionality

Motivation

- The main motivation is to solve the problem of sports recruiting by providing a platform for athletes to showcase their talents and connect with teams and coaches.
- Mouthpiece aims to create a community where athletes and sports fans of all levels of experience can come together to share their passion for sports and support each other.

Technologies

- **XCode & Swift**
Apple Inc.

Apple’s IDE used to build apps on their iOS platforms using their programming language, Swift.



- **Firebase**
Google LLC

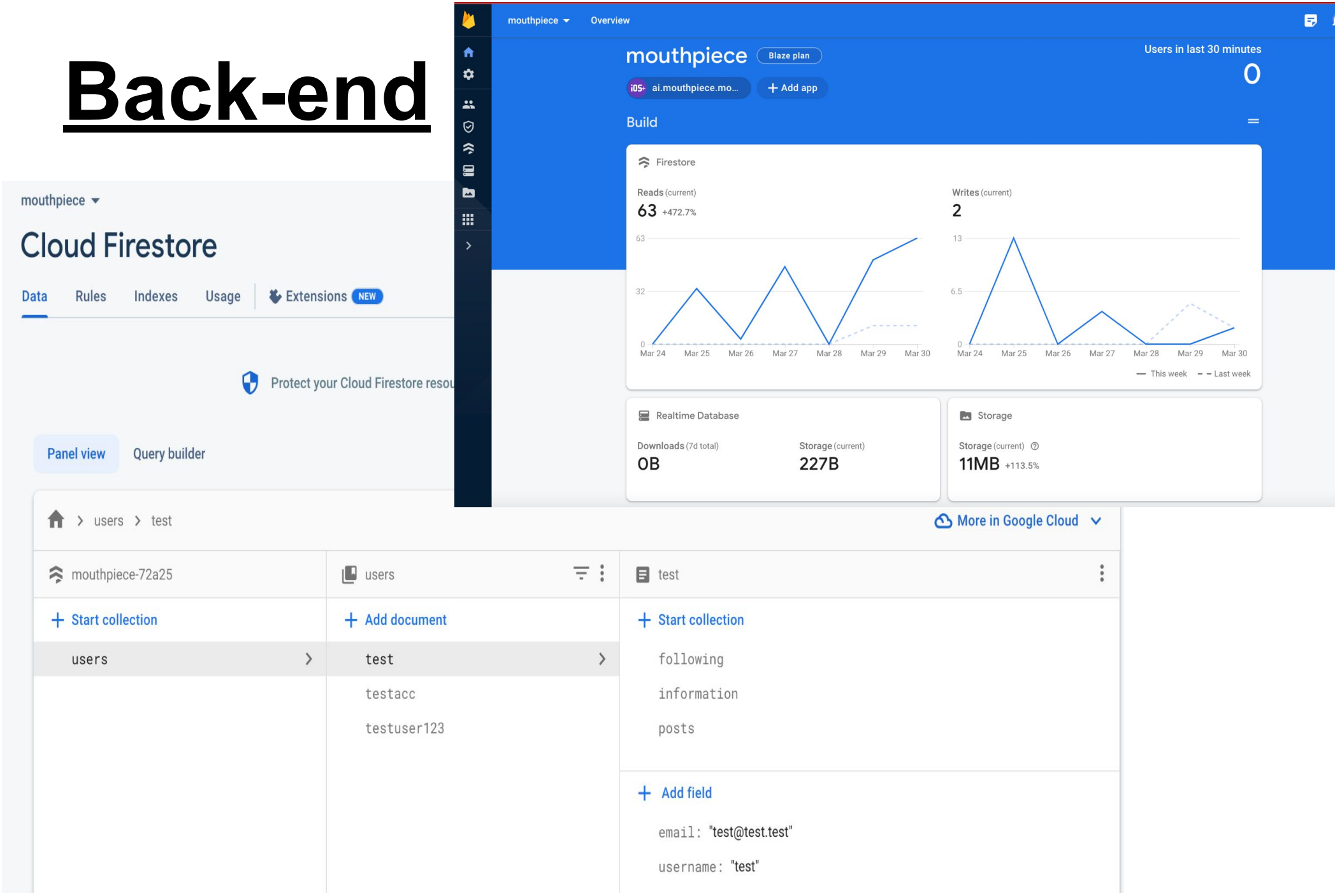


Google’s server used on the backend to store information across the entire app.

Challenges

- The challenges we encountered were:
- ✖ Getting Google Maps integrated with Firebase
 - ✔ We overcame this by following the API documentation and set up our configuration files accordingly
 - ✖ Adding tournament functionality
 - ✔ We modified requirements to make functionality feasible
 - ✖ Trouble with UI/UX design such as getting our Figma design integrated on Xcode
 - ✔ Overcame by manually altering UI/UX within xcode to match Figma design
 - ✖ Having notifications display consistently
 - ✔ For this, all we had was a database reading malfunction

Back-end



Firebase Console used to view & query data from our app and also view database reads & writes.

Front-end

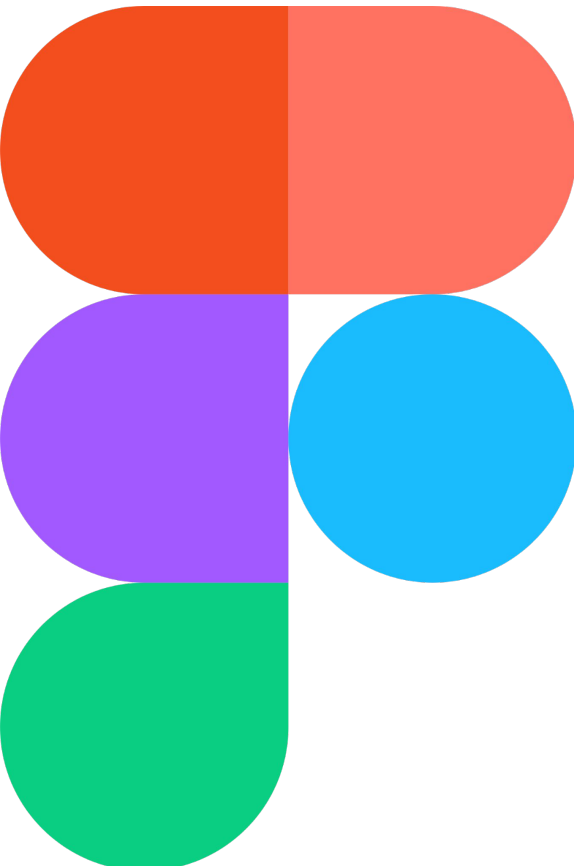
- **Google Maps API**
Google LLC



Google’s programming interface that allows developers to integrate Google Maps functionality in our app.

- **Figma**
Figma, Inc.

Front-end web technology used to easily design the UI/UX for your application.



Figma Homepage



Figma MP Map