



VDR5 - Senior Design Team 305

MOUTHPIECE

Social Media Application- Athletic/Sport



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Team Introduction



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Ian Tyrell
Computer Engineer (B.S)

Front-End Engineer



Christian Robinson
Computer Engineer (B.S)

Front-End Engineer



Julien Denis
Computer Engineer (B.S)

Back-End Engineer



Peyton Smith
Computer Engineer (B.S)

Back-End Engineer



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Sponsor and Advisor



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Advisor

- Petru Andrei
 - Electrical and Computer
 - Professor
 - Bi-weekly meetings



Ian



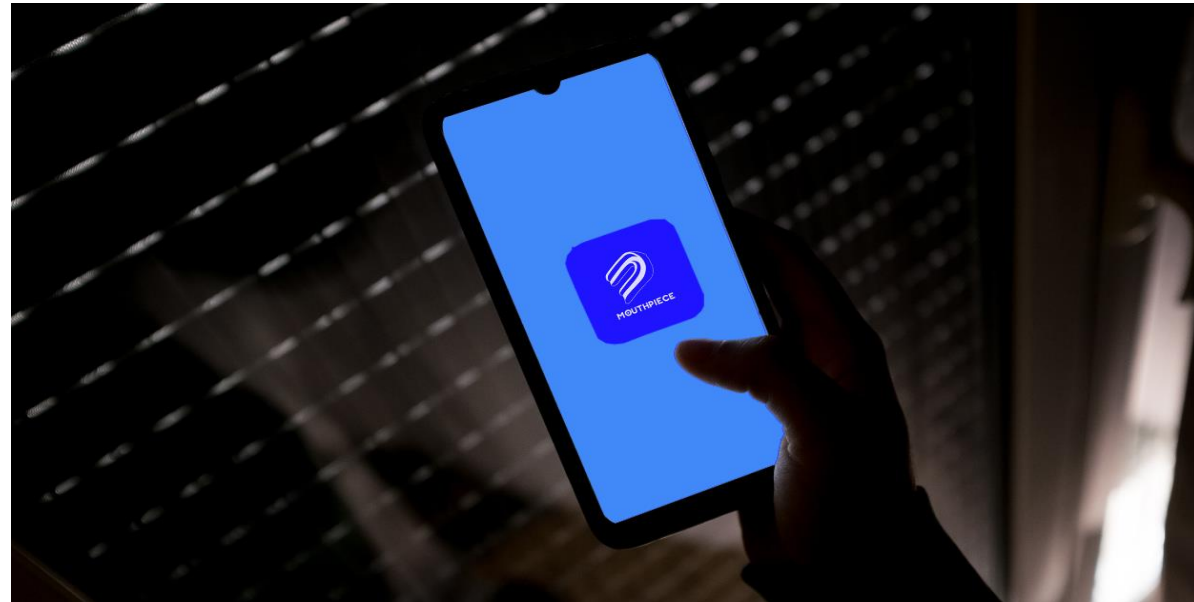
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Project Scope

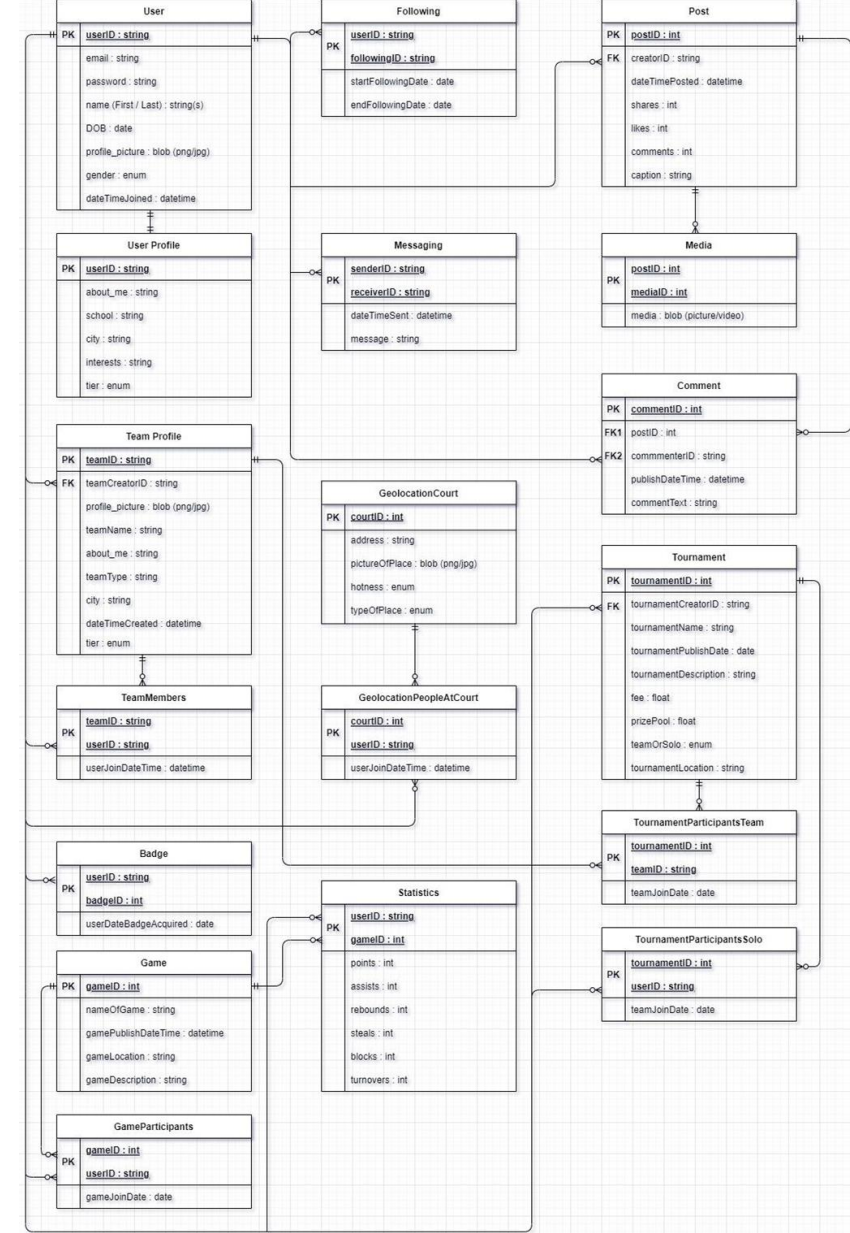
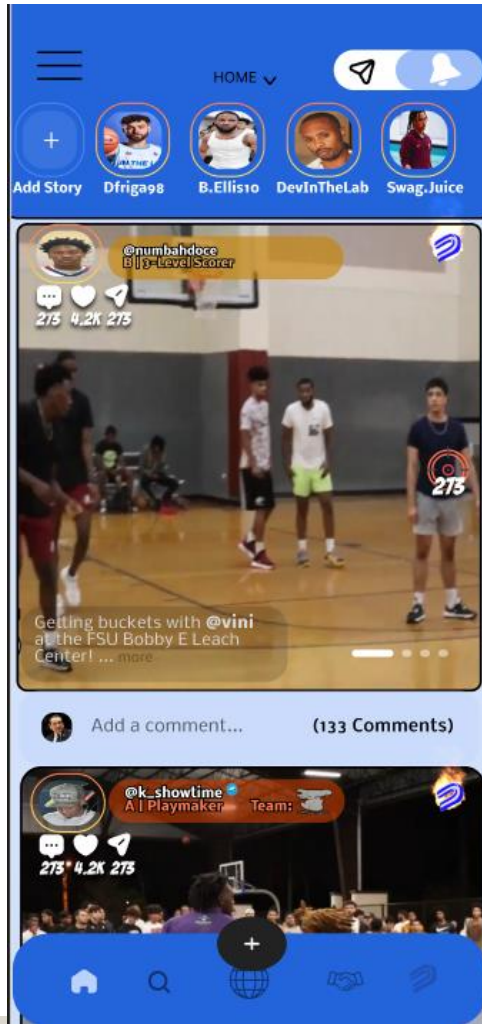


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Mouthpiece is a social media app whose motivation is seamlessly sharing posts, pictures, and videos for a community of those interested in sports. This app will connect athletes, sports fans, team members, etc.



Design Concept

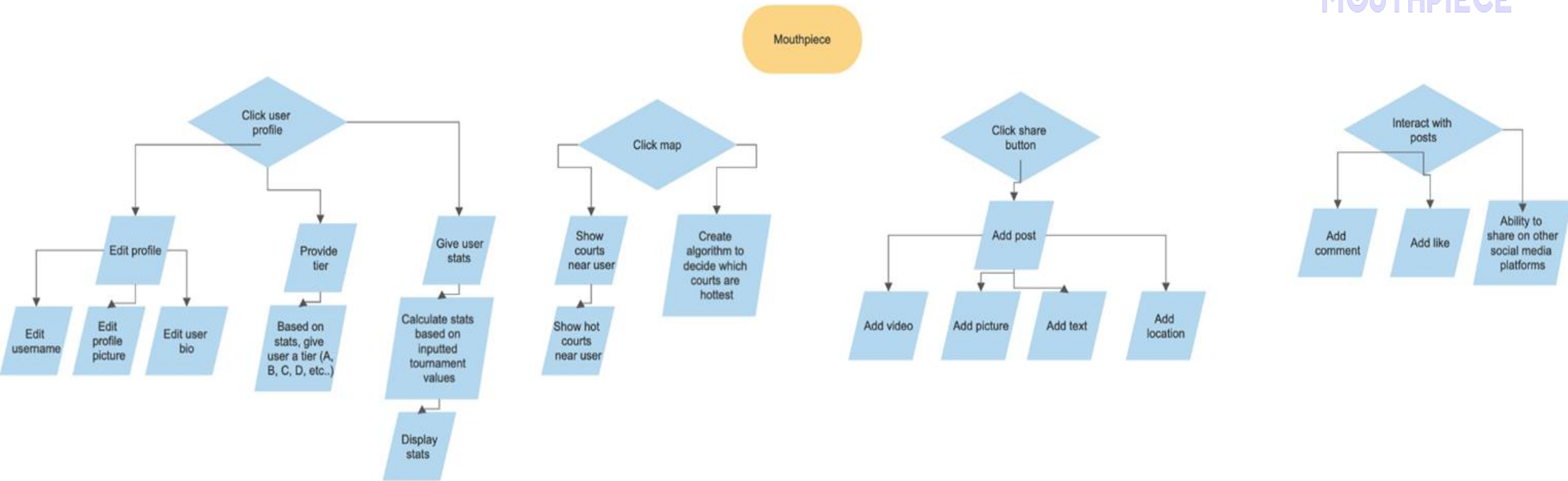


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Block Diagram

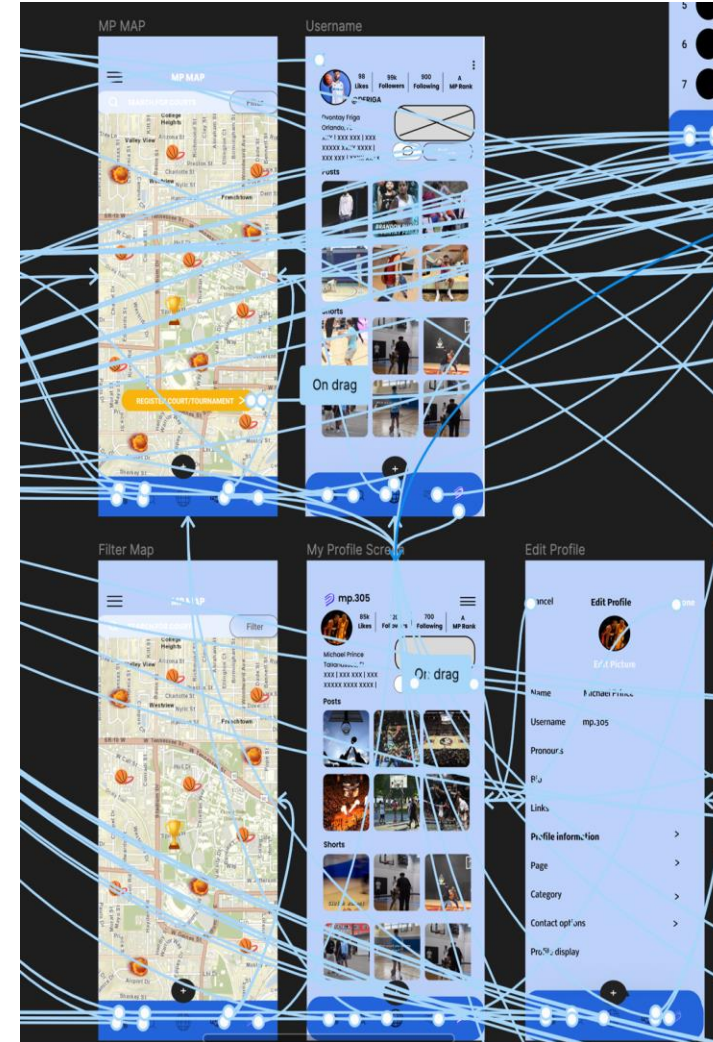


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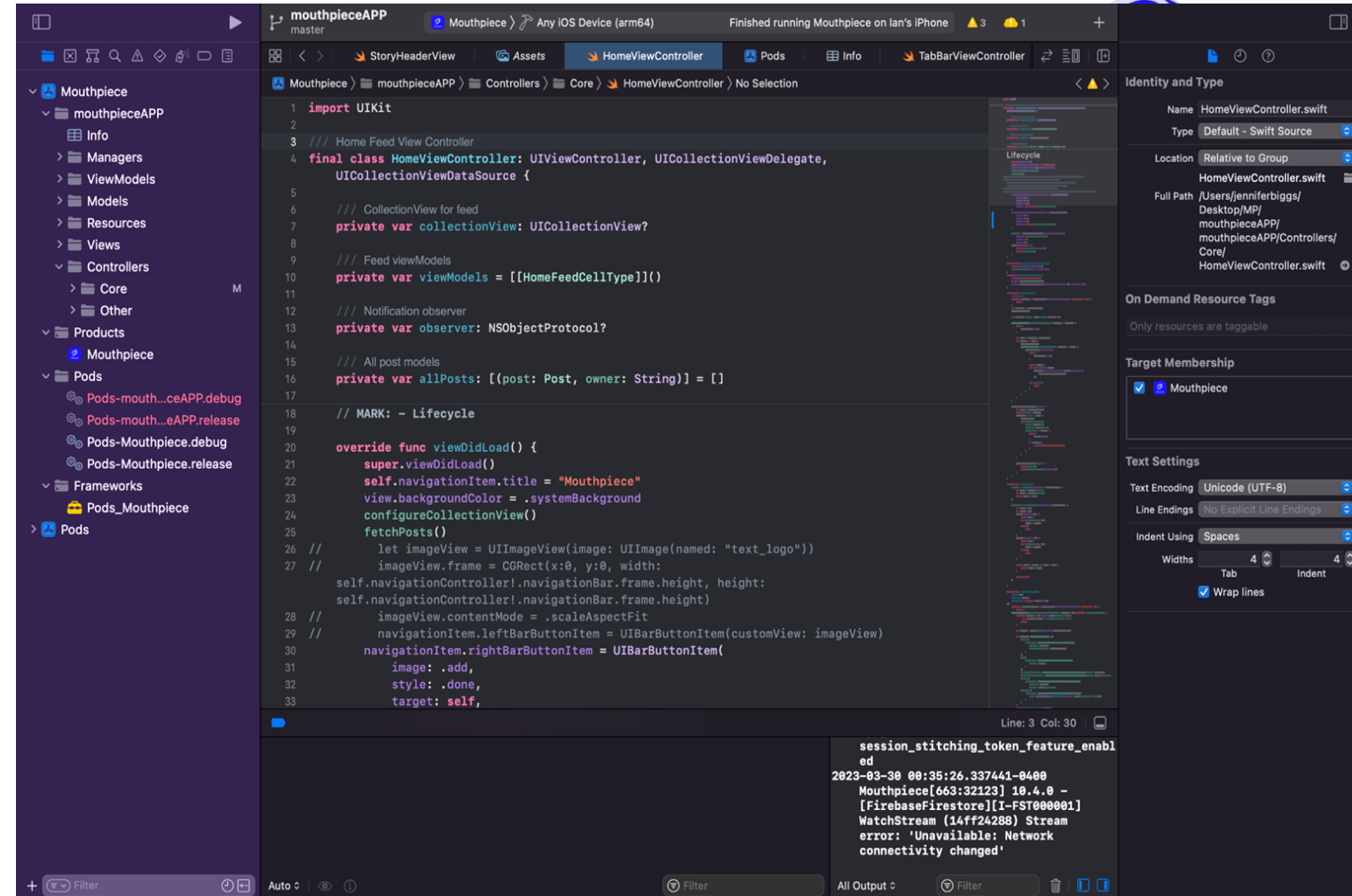
Implementation

- Figma - Mobile Application Prototyping
 - Allows for real-time collaboration with teammates to design application prior to development for planning and execution.
 - Built-in Prototyping allows design to interact with the mockups and user flows to visualize the user experience of the social media app.



Implementation

- XCode - iOS Development
 - We programmatically designed the core functionality of the social media interface.
 - We organized each “view controller” by “Core” swift files and “Other” swift files.



Implementation



- Google Firebase - Backend
 - Where we developed our data communication, query based collection datasets, and authentication metadata
 - For testing basis we only were able to create basic data fields and collections.
 - Player, Non-player?
 - Stats?
 - Teammate?

The image displays two screenshots of the Google Cloud console. The top screenshot shows the Cloud Firestore interface for the 'mouthpiece' project. It features a breadcrumb trail 'users > test' and three panels: 'users' with a '+ Start collection' button, 'test' with a '+ Add document' button, and a details panel for the 'test' collection showing fields like 'following', 'information', and 'posts'. The bottom screenshot shows the Authentication console for the same project. It includes a search bar and a table of users. The table has columns for Identifier, Providers, Created, Signed In, and User UID. The following table represents the data shown in the screenshot:

Identifier	Providers	Created	Signed In	User UID
test@test.test	Google	Mar 25, 2023	Mar 30, 2023	rZegTf4RPS66MhcSI5v8GDoamf2
testuser123@gmail.com	Google	Mar 22, 2023	Mar 29, 2023	PgBAh1VwZtVtKUsYE4uxbJN83...
testing@gmail.com	Google	Mar 17, 2023	Mar 17, 2023	QGhCjMim7ohMc5lxw8iDipudotq2
testacc@test.com	Google	Mar 13, 2023	Mar 13, 2023	wiBBT8e9zbUuuyrthDWEacuzeu1
test@testmail.test	Google	Mar 11, 2023	Mar 11, 2023	Jd8zQmJuu09Mi6qNaEJzHZWLcn...
troofs@gmail.com	Google	Mar 11, 2023	Mar 11, 2023	gJVGKH0oVhfdvieczQETPzjdH03
petru.andre@fsu.edu	Google	Feb 10, 2023	Feb 10, 2023	QgvXXKNdqvGkl5uEcYUZKinc0Hi1
testusername@gmail.com	Google	Feb 6, 2023	Feb 16, 2023	8eDjwxouadeEHbrVGmkhZFTTfse2
19peytonsmith@gmail.com	Google	Feb 6, 2023	Feb 6, 2023	P262M4frVaUOcqn3XNRukYRur...



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Progress & Results



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FINISHED

- ✓ UI/UX finished on Figma
- ✓ Firebase server up and running
- ✓ Main social media app functionality done
- ✓ Google Maps API initialized

TO-DO

- UI/UX polishing - Figma integration
- Team profile
- Messaging
- Add final miniscule details across app
- More geolocation functionality within the maps
- Algorithmic Programming

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Issues & Problems Encountered



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- ✓ Google Maps Integration w/ Firebase
- Tournament Functionality
- Difficulty with Figma integration w/ Xcode
- UI/UX Programmable Coding
- Notifications

Peyton

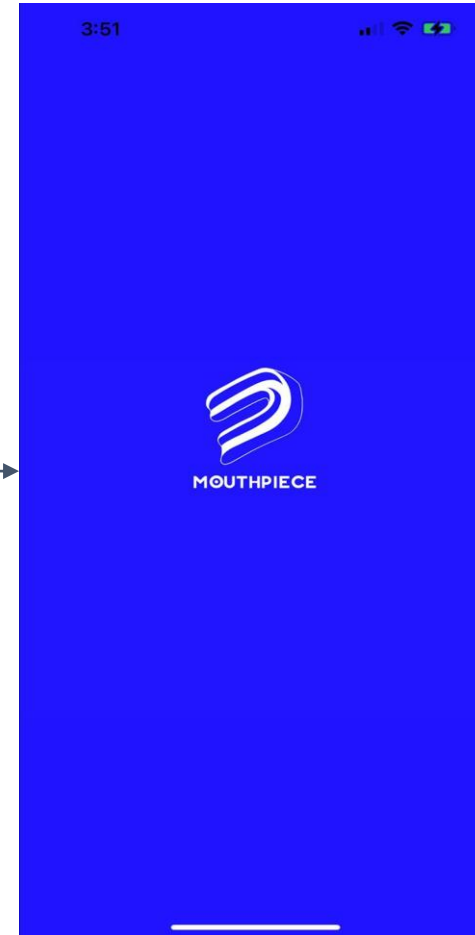


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Plans & Progress



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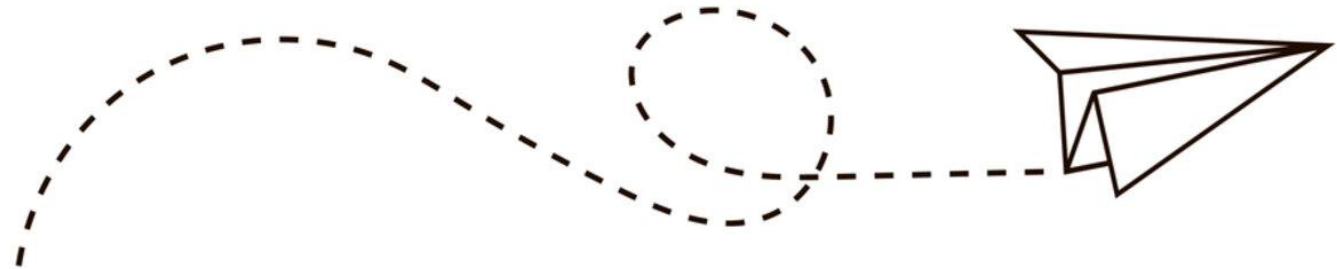
Final Deliverables

Expectations:

- ✓ UI/UX polishing - Figma integration
- ✓ Team profile
- ✓ More geolocation functionality within the maps
- ✓ Downloadable code from repository



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Questions?



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