DATA SCIENCE CLUB

Developer Work Session #1

9/7/2024

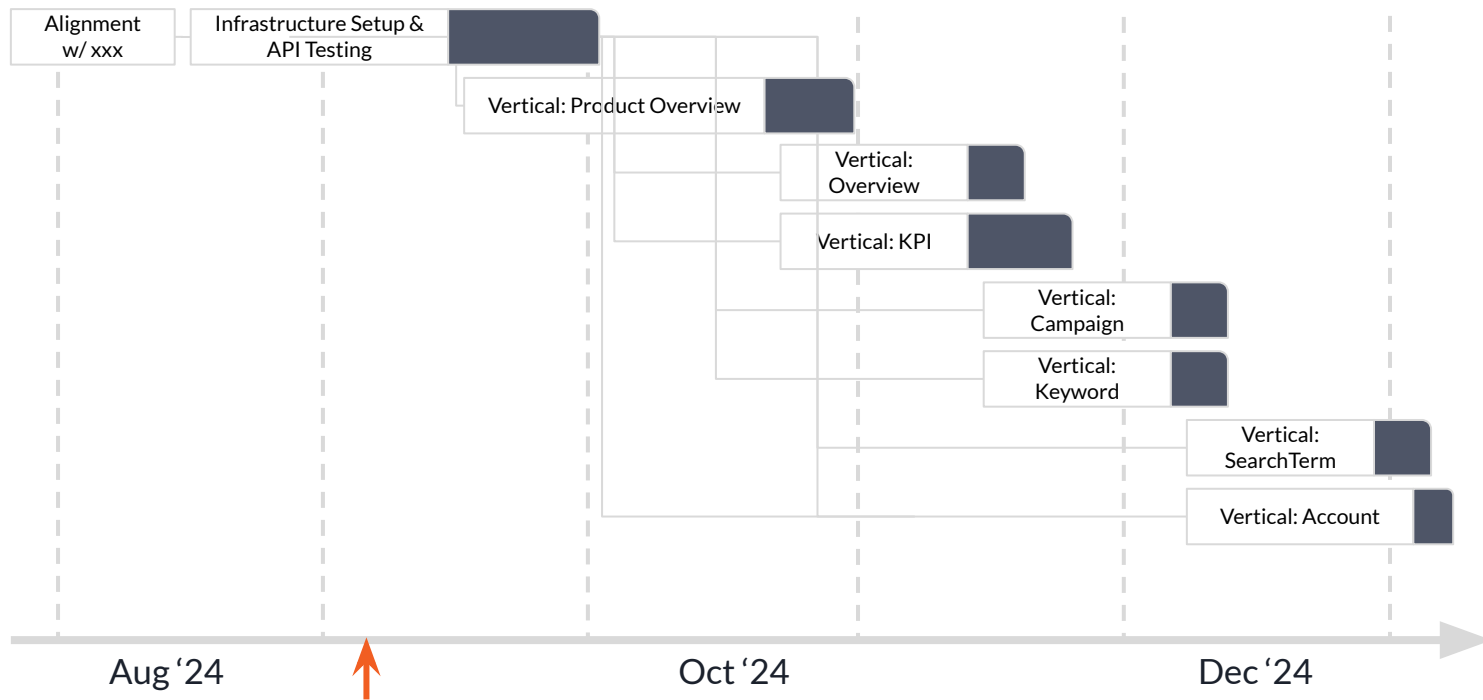# Team Assignment Google Form

General Expectations

- Attend every work session - Saturdays 2-4pm DH 1212
- Communication will be on Slack and through emails!
- Teams are flexible, and will be re-assigned based on need–we currently need a lot of people for frontend
- Main communication will be on Slack or email
  - Join Slack here: https://tinyurl.com/developerslack

Major Projects

- DSC Website
  - Design is completed, finishing up coding
- Datathon - November 2-7
  - Frontend: splash page
  - Miscellaneous: jupyter notebook for participants, includes datasets and instructions
- Poker AI -
  - Frontend: website to register, sign-in, create teams, retrieve game logs, and view game statistics
  - Backend: database, communication between components
  - Platform: cloud functions, match framework

Poker AI

Emily Yu - Development Director

- Information Systems, Junior
- Joined DSC through the Poker AI Dev Team last year, worked as the project manager and in frontend
- Process Engineering Intern at Coherent
- Wire jewelry-making, photography, going on walks
- eyu2@andrew.cmu.edu/6503805335

Mia Li - Frontend Lead

- Information Systems, Stat/ML, Junior
- Casually joined freshman year, but wanted to start getting more involved
- Software Dev Intern at Hopkins APL
- Cooking, gyming
- mhli@andrew.cmu.edu, 4435189399

Tobi - Backend Lead

- Computer Science (TUM)[1]
- Joined CMU DSC as an exchange student at CMU during Spring '24
- 1.5y as a working student in SE; multiple projects with corporates, startups, VC funds
- Hiking, skiing, binging podcasts & traveling
- tobias.schamel@cs.tum.edu

1) Yes, I will be joining remotely from Germany - but happy to meet during my next trip to PIT mid december '24 (after your exams)
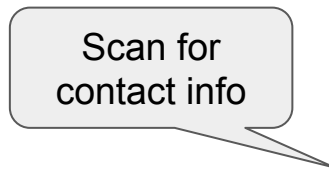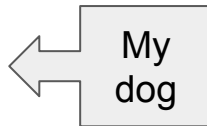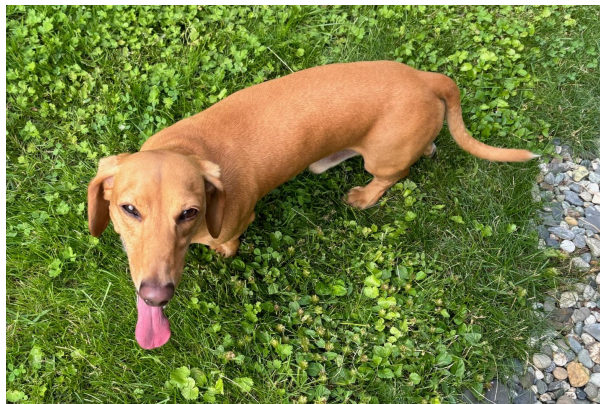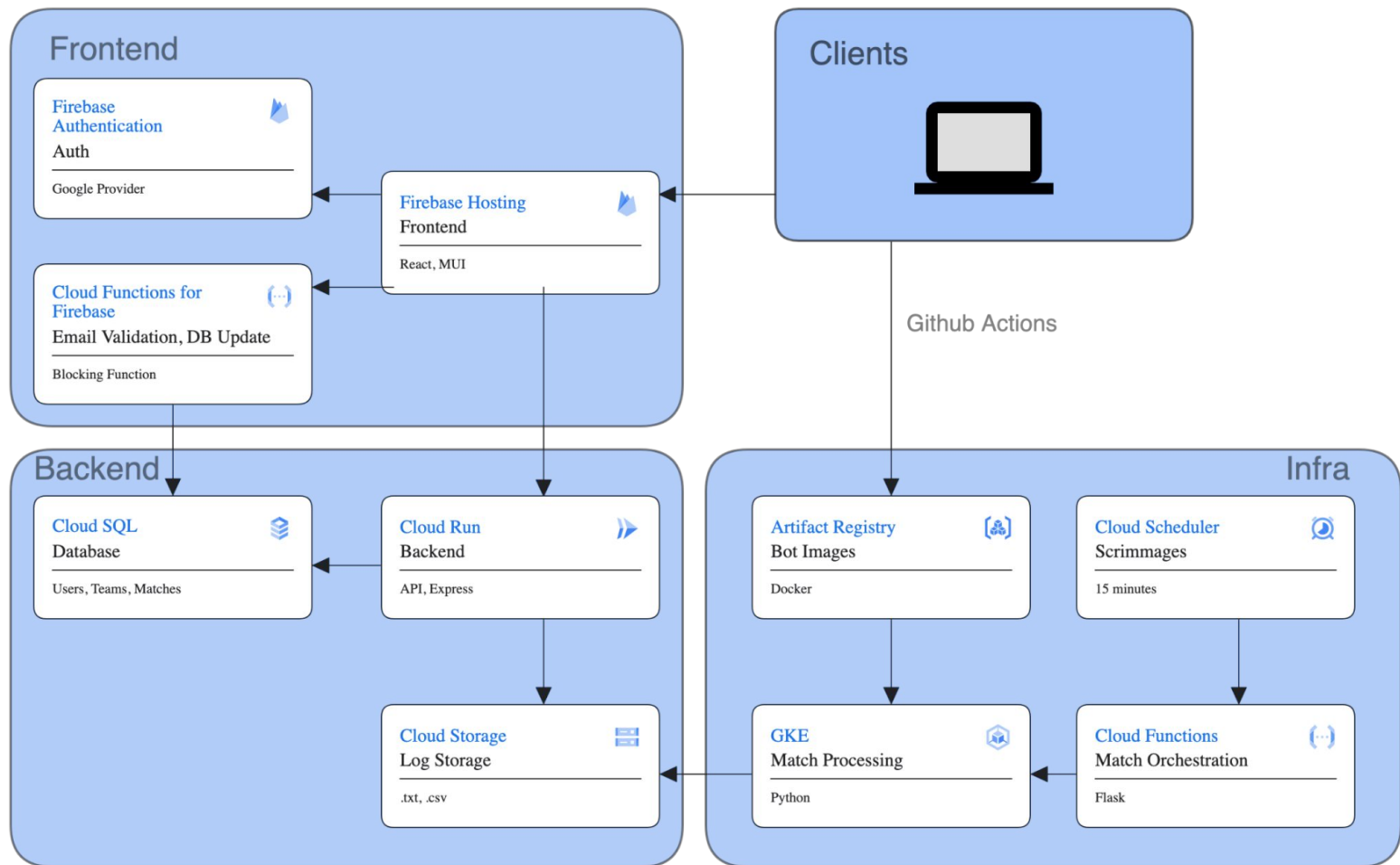
Elijah - Platforms

- CS Senior @ CMU (*Systems*)
- Joined DSC for the pizza, stayed for the friends
- Worked on Hackathons, Personal Projects, Research
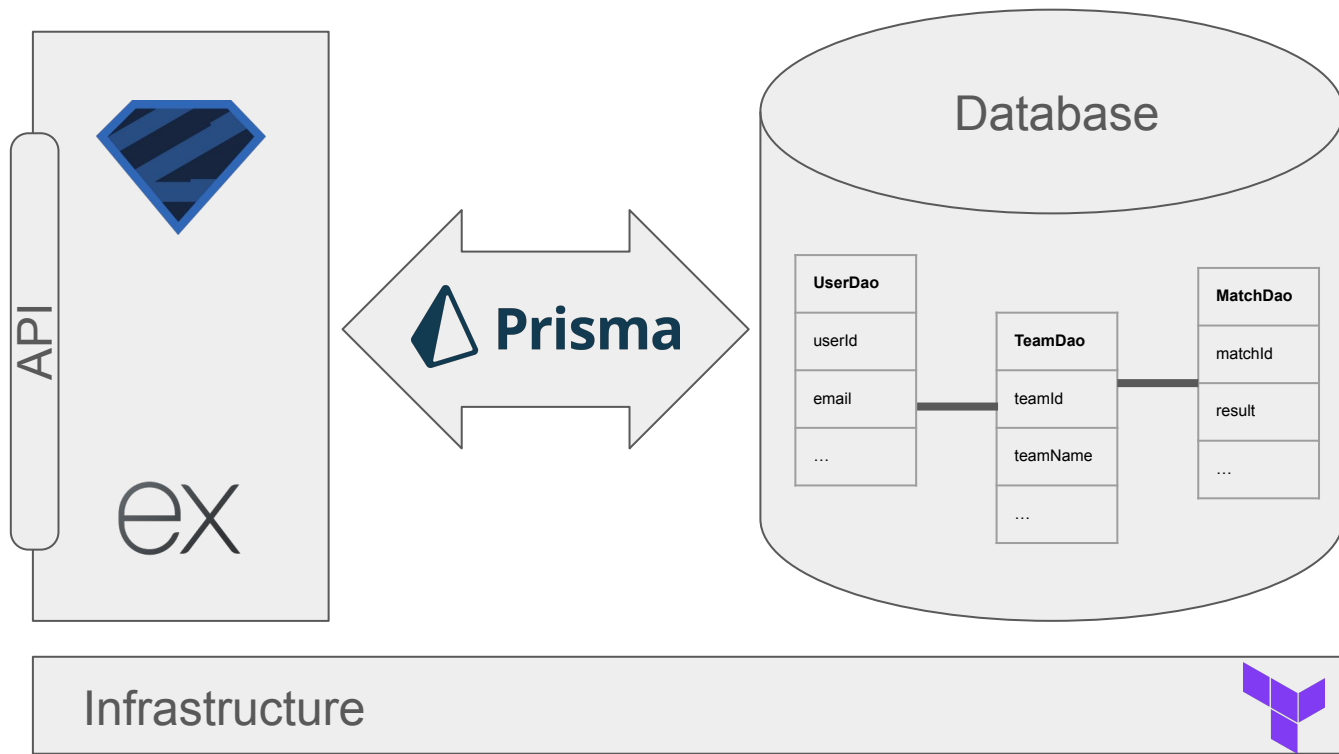- I enjoy skiing, reading, playing with dogs

What I look like with a haircut

My dog

Scan for contact info

Frontend

Firebase Authentication
Auth

Google Provider

Cloud Functions for Firebase
Email Validation, DB Update

Blocking Function

Firebase Hosting
Frontend

React, MUI

Clients

Github Actions

Backend

Cloud SQL
Database

Users, Teams, Matches

Cloud Run
Backend

API, Express

Cloud Storage
Log Storage

.txt, .csv

Infra

Artifact Registry
Bot Images

Docker

Cloud Scheduler
Scrimmages

15 minutes

GKE
Match Processing

Python

Cloud Functions
Match Orchestration

Flask

Existing Backend Structure

Please fill out the attendance form before you leave

Team Assignments/Q & A