Team TreeHouse3

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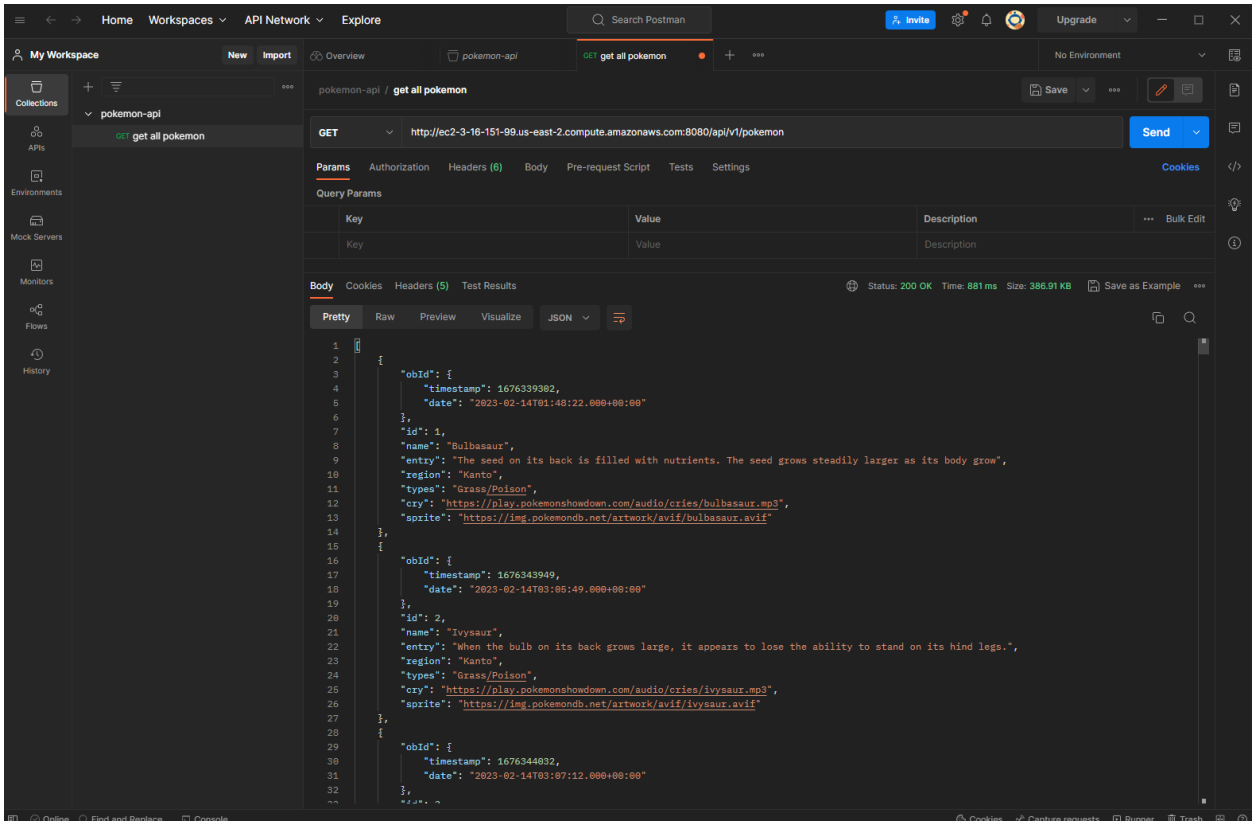
Who's That Pokemon Successful Test Completion

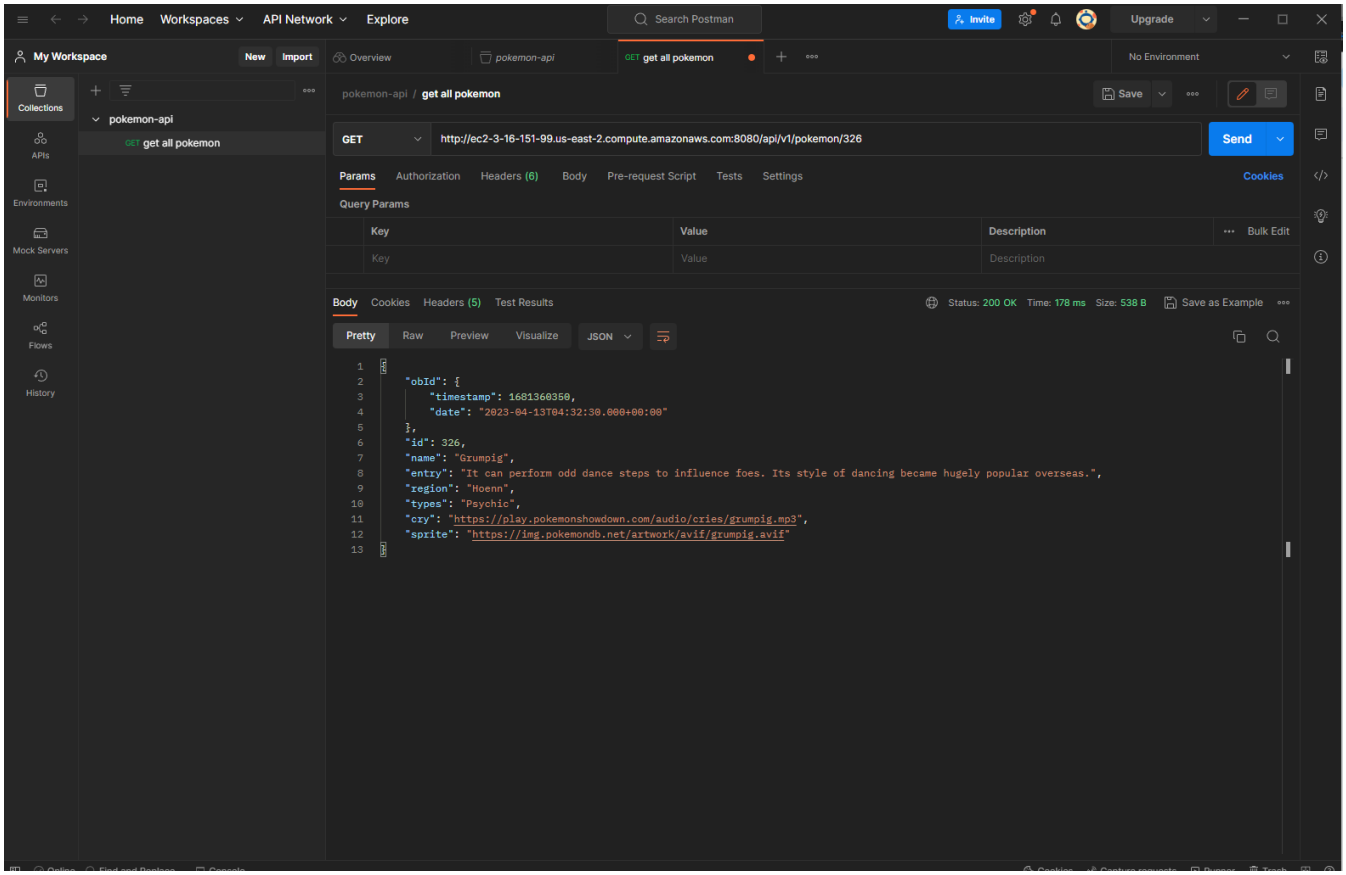
Backend

Our backend is built using Java and the Spring framework. The backend requests data from our database and returns information. We have multiple possible queries. To test that our backend is functioning, we utilized Postman. Below are the results of our tests. A Pokemon's Pokedex number is their unique ID number.

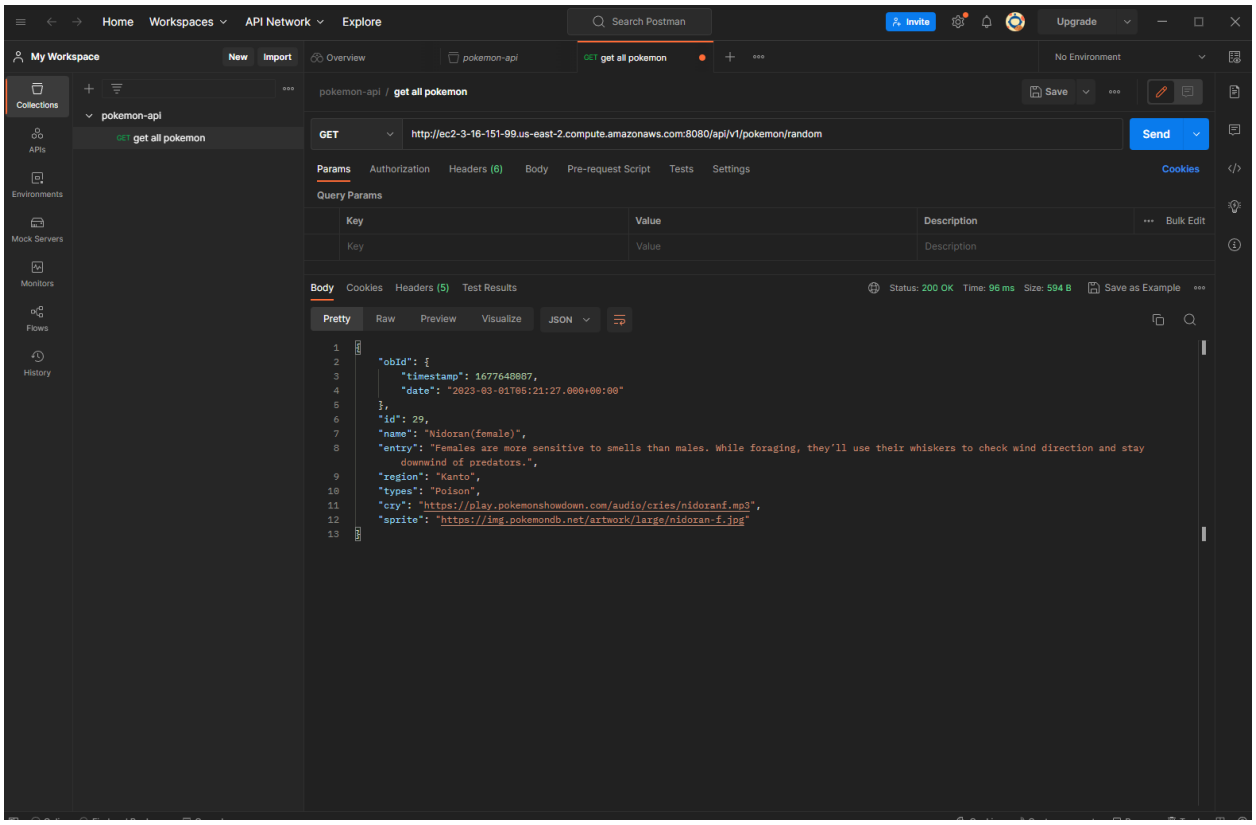
Function 1: Return all Pokemon Documents in the DB



Function 2: Return a Pokemon based on their Pokedex number



Function 3: Return a Pokemon based on a random Pokedex number



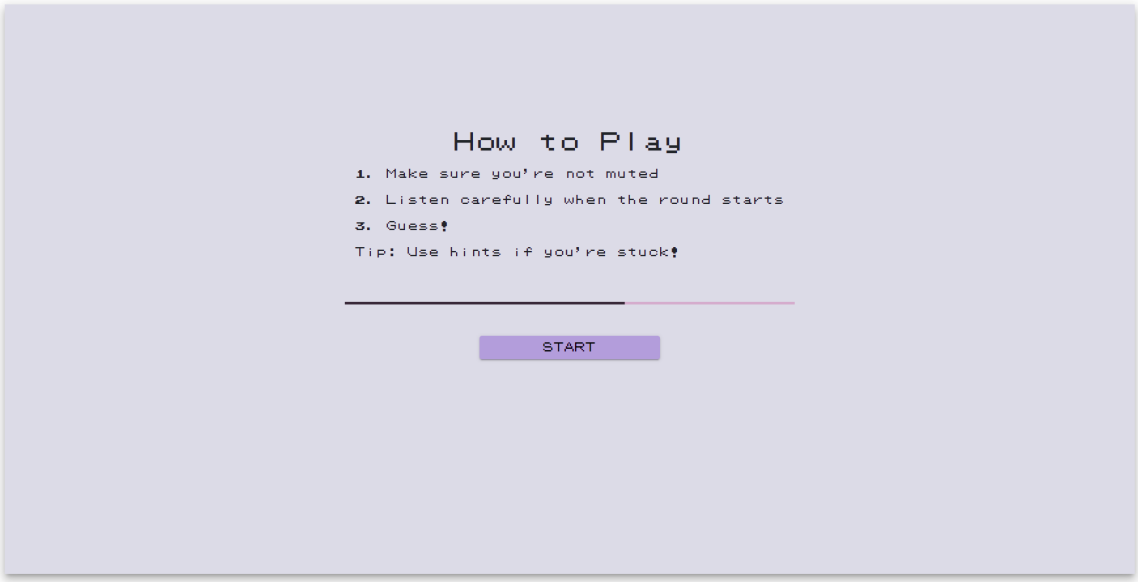
Frontend

Our frontend is built using create-react-app with heavy use of MUI v5 UI libraries. Utilizing their modern styling syntax, we were able to quickly get a responsive layout up and running. As per the product_design_spec test plan, we have passed all the outlined tests. We will add more tests as time progresses. Here are the checklists:

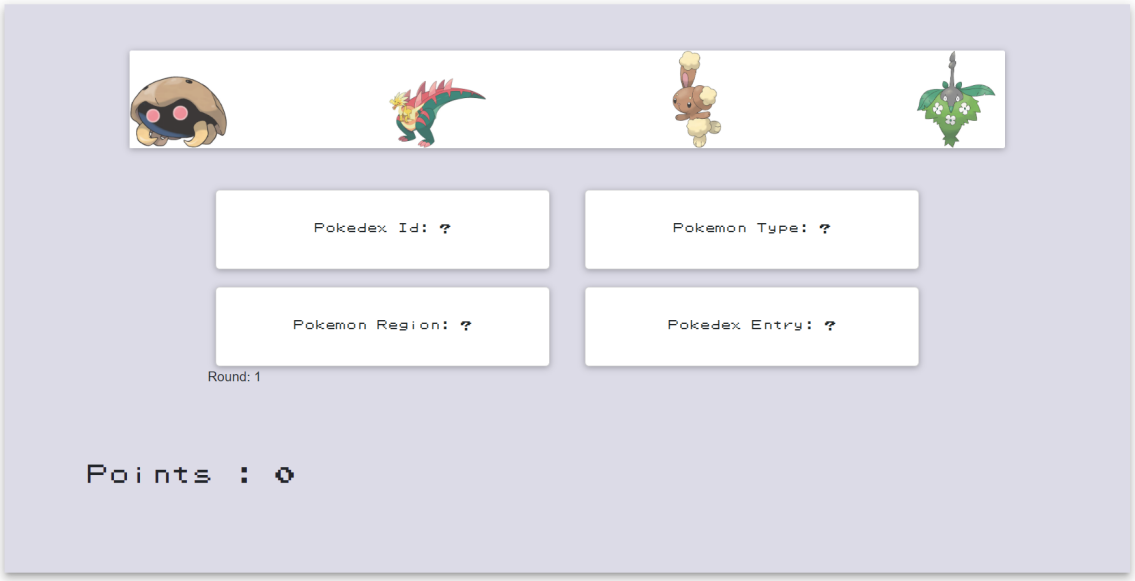
- ☑ ~~SinglePlayer - Complete a gameplay loop as a single player~~
- ☑ ~~Home Page - able to load homepage~~
- ☑ ~~Start Game Page- Gameplay starts once this is clicked~~
- ☑ ~~Game Over page - Complete gameplay as a single player, and observe a players score~~
- ☑ ~~Scoring System - Complete a gameplay loop in a certain manner so that the observed score is expected to match the score we calculate. Will use various hints in various rounds to include variation~~
- ☑ ~~Gameplay page - Test to see if we can play a random pokemon's audio, present 4 random options with one correct one, and present 4 hints for the pokemon (information retrieved from the database). Testing will also include if we can hide the information from the players until they ask for the hint.~~

Home Page: This is the first page users encounter. They can select two different game modes

Hint/Start Game Page: A loading page to give the players some instructions on how to play

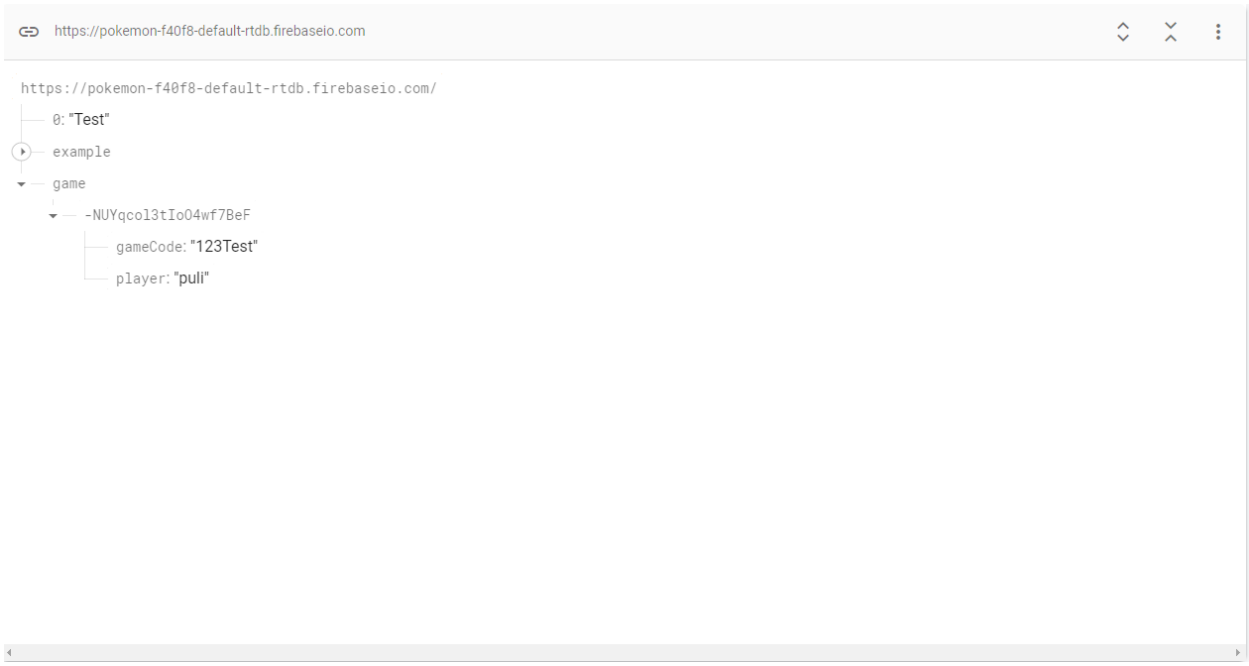


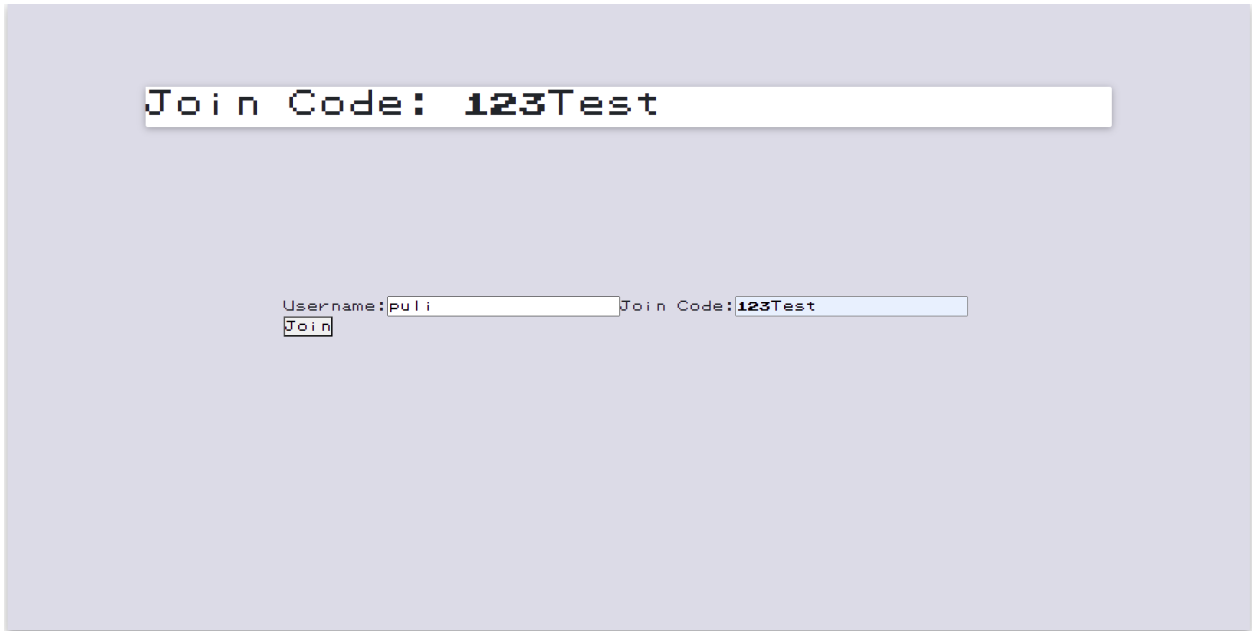
Gameplay page: This is where most players spend their time



Gameover page: After the round ends, their scores will be displayed here and users will be redirected to the homepage after 5 seconds.

Multiplayer: After prompting the user for the join code and username, they will be added to the realtime database for multiplayer.


https://pokemon-f40f8-default-rtdb.firebaseio.com
https://pokemon-f40f8-default-rtdb.firebaseio.com/
0: "Test"
example
game
-NUYqcol3tIoO4wf7BeF
gameCode: "123Test"
player: "puli"


Join Code: 123Test
Username: puli
Join Code: 123Test
Join