

GUESS STREET

NOTE TO TEAM:

If you want to continue to use the slide template, It's called "Ice breaker, classic"



ITERATION 1

10/30/2025

BRAXTON / RYAN / JD / ELAINE







PROJECT SUMMARY:

Simple <u>FastAPI service</u> + <u>local CLI</u> that accepts user predictions for an asset's:

- target price range (min/max)
- target date

Stores them in Postgres, and exposes endpoints to create, list and fetch predictions.

CLIENT: Erman Pattuk:

- Software Engineer at Google (5 yrs)
- Software Engineer at LinkedIn (5 yrs)

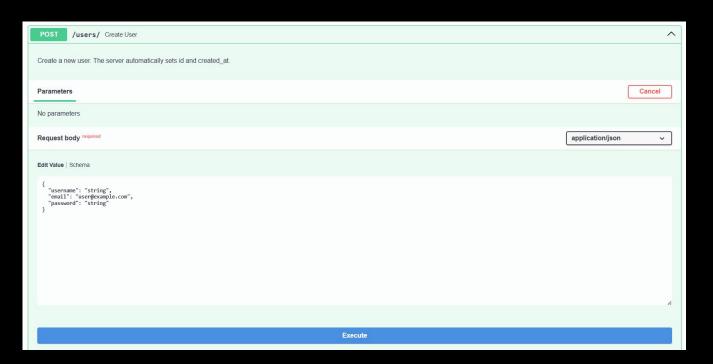




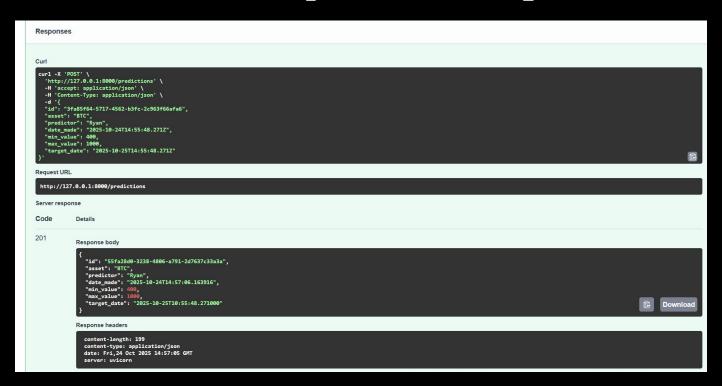
Create Predictions



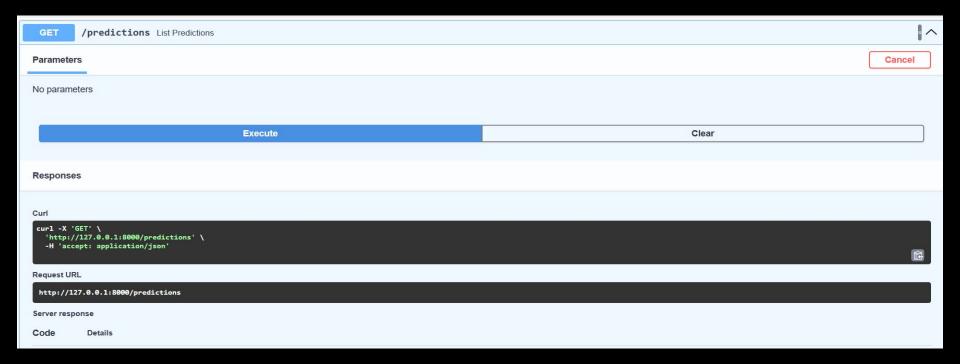
Create Users



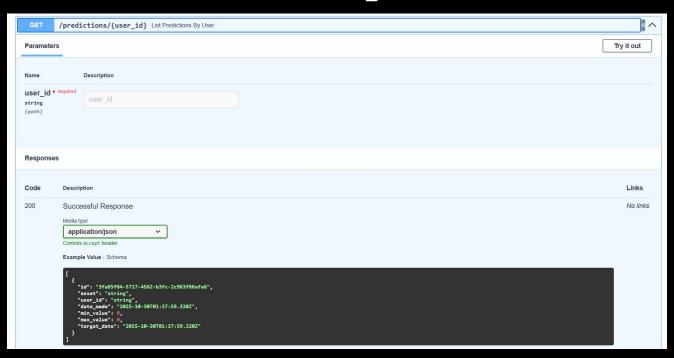
Predictions are automatically stored in a Google Cloud Database

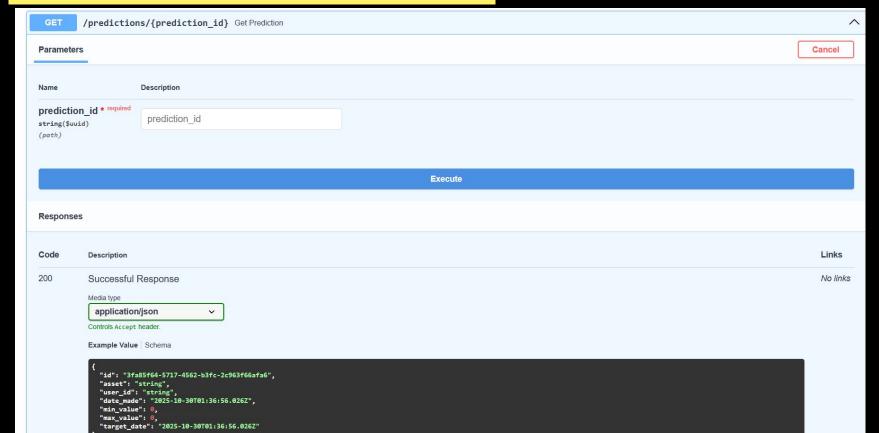


Access all Predictions



Access Predictions made by certain Users





(link if needed)

DEMO





Satisfied with our direction:

"Sounds good."

SECURITY

Poor security can lead to <u>vulnerabilities</u>.

He is responsible for anything that happens to the software

USER INPUT

User input should be minimized to the absolute best of our ability.

Any input could be malicious.

SERVER-SIDE VERIFICATION

The <u>server</u> should provide the database with attributes like timestamps and UUIDs.

Users should not be able to input into these fields.

WHAT WILL CHANGE?

Client feedback we (Ryan) changed immediately: Server now generates UUIDs and timestamps.

Users can <u>no longer</u> input to these fields.

Client feedback we plan to change: Implementing <u>excessive</u> input validation.

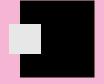
Iteration 2 features

PLANNED ITERATION 2 FEATURES

- Finish user Class and Tests (w/ Database)
- Get Authentication up and running
- Connect Users and Predictions
- Resolve Predictions with Market Outcomes











Retrospective What does each team member think about this iteration?

Retrospective What kind of properties of quality software did you sacrifice for functional software?

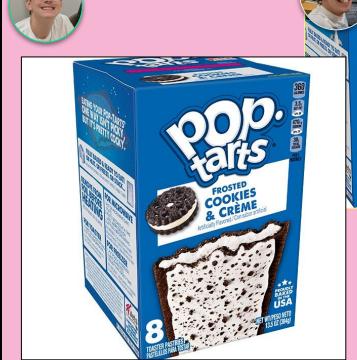
Security - users have too much access to the input values.

Usability - users must currently navigate an API to use.

PLAN TO APPROACH ITERATION 2

- Meetings similar to the end of the First Iteration
 - In Person
 - Discuss and divide work accordingly
- Work together on tasks likely to be difficult
 - Authentication
- Start earlier in general
 - Early unused time for Iteration 1















QUESTIONS?

