

CS495

Iteration 2

# GUESS STREET

COMPETE. PREDICT. WIN.



# THE TEAM



RYAN MARTINEZ

Handles Cloud Integrations.

Works mainly on Backend.



JD OTIS

Works mainly on Frontend and general polish.

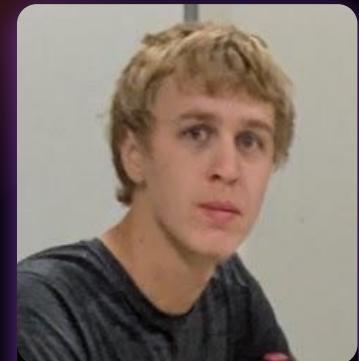
Writes documentation.



ELAINE ULSH

Team Commander In Chief.

Happy to work on anything. Works on everything.



BRAXTON DAVIS

Elo algorithm

Works on what is asked.

# THE CLIENT

Software Engineer at Google

- 5 years ( present )

Software Engineer at LinkedIn

- 5 years



- Erman Pattuk -

# CLIENT FEEDBACK



Erman Pattuk



- All Predictions list:
  - Unnecessary in final product
- Input Validation:
  - Frontend and backend
  - Financial assets can use API
  - SQL Injection prevention
- Open Public IP Instances:
  - Mainly with weak passwords

# ITERATION 2 FEATURES

Front End

**Guess Street**

Predictions Users Create Login Register

**Login**

Username:

Password:

**Login**

Don't have an account? [Click here to register.](#)

**Guess Street**

Predictions Users Create Login Register

**Create Prediction**

**Asset**  
 Stock Ticker

**Min**  
 Enter value

**Max**  
 Enter value

**Target Date**  
 mm/dd/yyyy

**Submit**

**Guess Street**

Predictions Users Create Login Register

**Register**

Username

Email

Password

**Create account**

# ITERATION 2 FEATURES

Resolve predictions  
with market  
outcomes

- **GOOGL**

Target: 11/30/2025  
Range: 170 - 180  
User: 64c63c03-554a-4a9e-9231-518bee483d1f  
Actual Price: \$320.18  
User id: 64c63c03-554a-4a9e-9231-518bee483d1f

Incorrect X

- **META**

Target: 11/30/2025  
Range: 600 - 650  
User: 64c63c03-554a-4a9e-9231-518bee483d1f  
Actual Price: \$647.95  
User id: 64c63c03-554a-4a9e-9231-518bee483d1f

Correct ✓

- **NVDA**

Target: 11/30/2025  
Range: 140 - 150  
User: 072b8cae-48a6-4e60-ae21-722b3ea9ead0  
Actual Price: \$177.00  
User id: 072b8cae-48a6-4e60-ae21-722b3ea9ead0

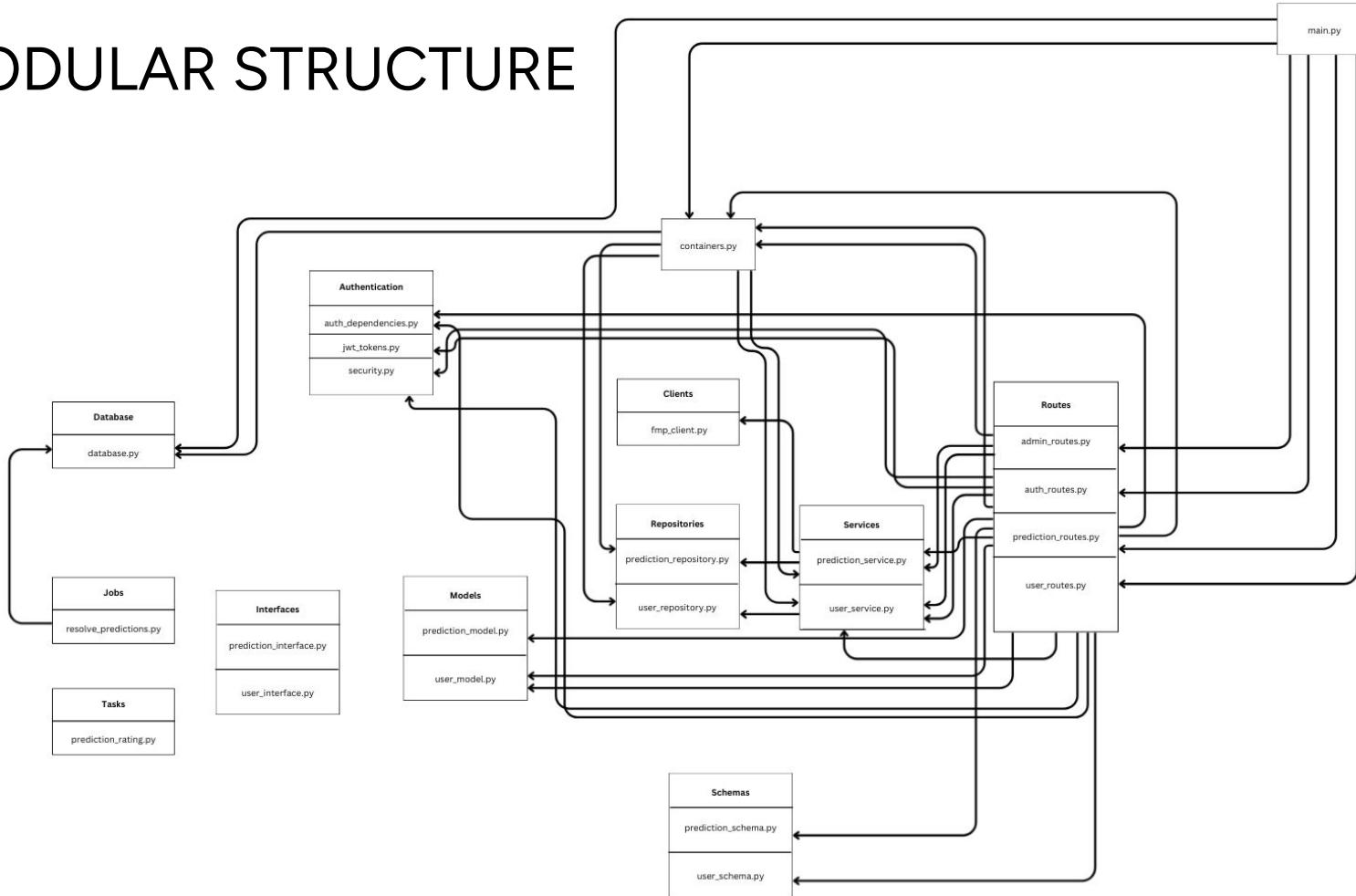
Incorrect X

# ITERATION 2 FEATURES

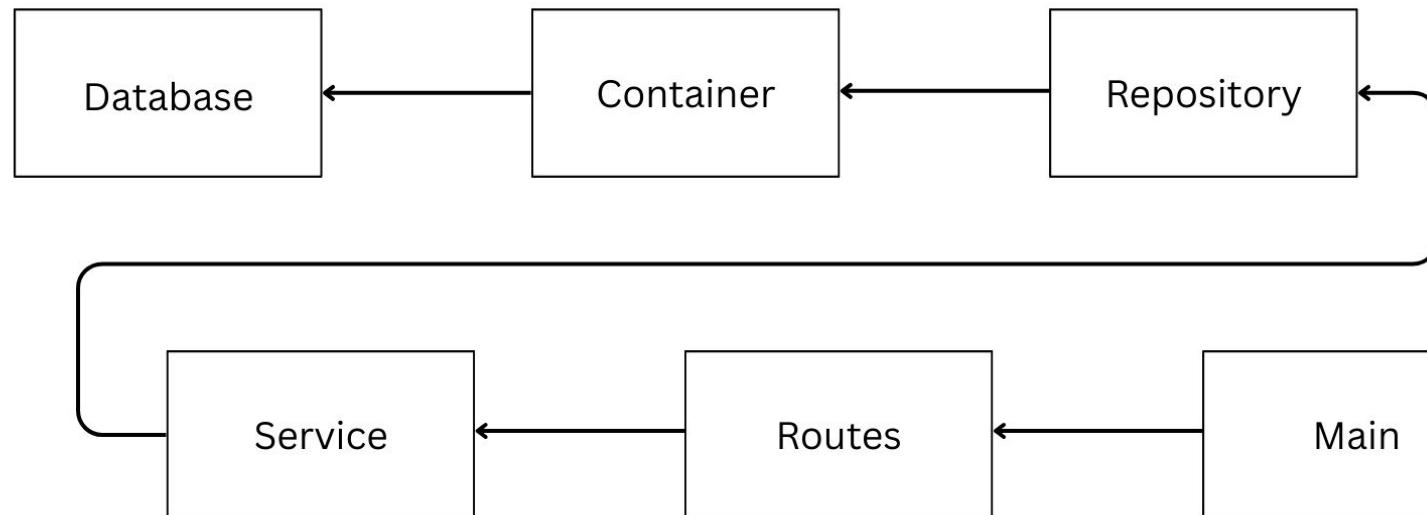
The screenshot shows a web application interface titled "Guess Street". At the top right, there is a navigation bar with links: "Predictions", "Users", "Create", "Login", and "Register". Below the title, the word "Login" is centered. There are two input fields: one for "Username" and one for "Password", both represented by simple text input boxes. Below these fields is a teal-colored button labeled "Login". At the bottom of the form, there is a link: "Don't have an account? [Click here to register.](#)".

## User Authentication / Login

# MODULAR STRUCTURE



# MODULAR STRUCTURE



# LET'S TAKE A LOOK

Software Demo

Errors:

0

Showcase of Tests

Coverage:

100%

# RETROSPECTION

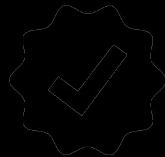
What does each team member think about...

This iteration?

Making your software more quality by adding the other properties?

Approaching Iteration 3?

# PLANNED ITERATION 3 FEATURES



## Input Validation

Ensure that each and every input is valid, and not malicious.

E.g., stock ticker name, unique usernames, unique & valid email addresses, secure passwords

## Update User Elo

Based on how a user's prediction is resolved, reward/penalize their Elo rating accordingly.

## Email Verification

Send a 6-digit code to the email provided during account creation.

User cannot make predictions until their email is verified.

## Search Bar

Retire 'Users' tab that displays all users.

Instead, provide a way for users to search for other users by their username.

If we can, stocks, too.

# WHERE WOULD EACH MEMBER EXPAT TO?



# THANK YOU

Any questions?