



01

#CodeToImpact

2022

Midas 1.0

Team 2

The Team!



**SOURABH RAJ
JAISWAL**
FrontEnd



JUN LEONG HOE
FrontEnd



**TRAN NGUYEN
BAO LONG**
BackEnd + DevOps



RYAN KHONG
Data Analyst



02



JOHN
Food Supplier



DENNIS
Welfare Director



WEI XIANG
Fried Chicken Vendor

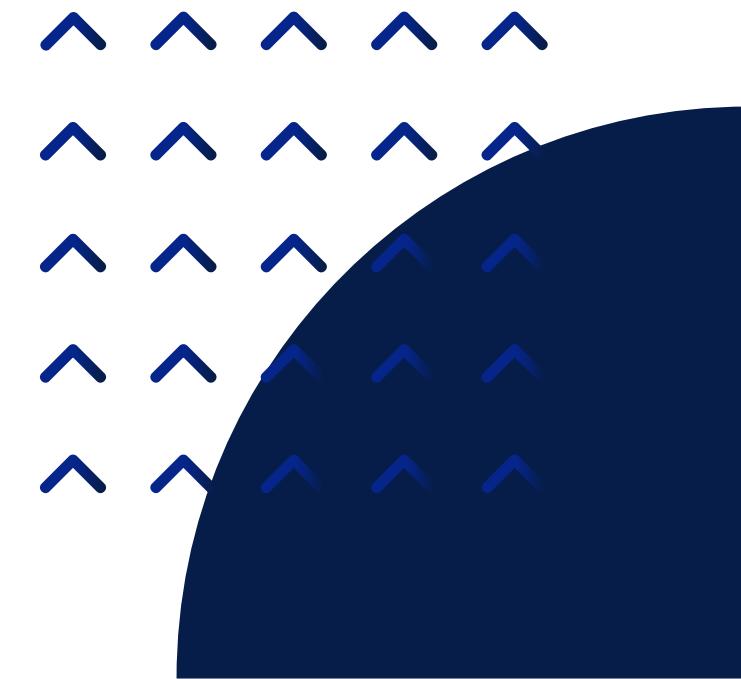
Mentors!



02

Agenda

- What is Midas
- Timeline
- Implementation
- Database Schema
- Design
- Challenge statement
- Midas 2.0 roadmap





What is Midas

Number 1 app to manage your financial instruments

Midas

01

Keep track of
your
instruments

02

Update and
view the
Market Value

03

Book a
transaction

04

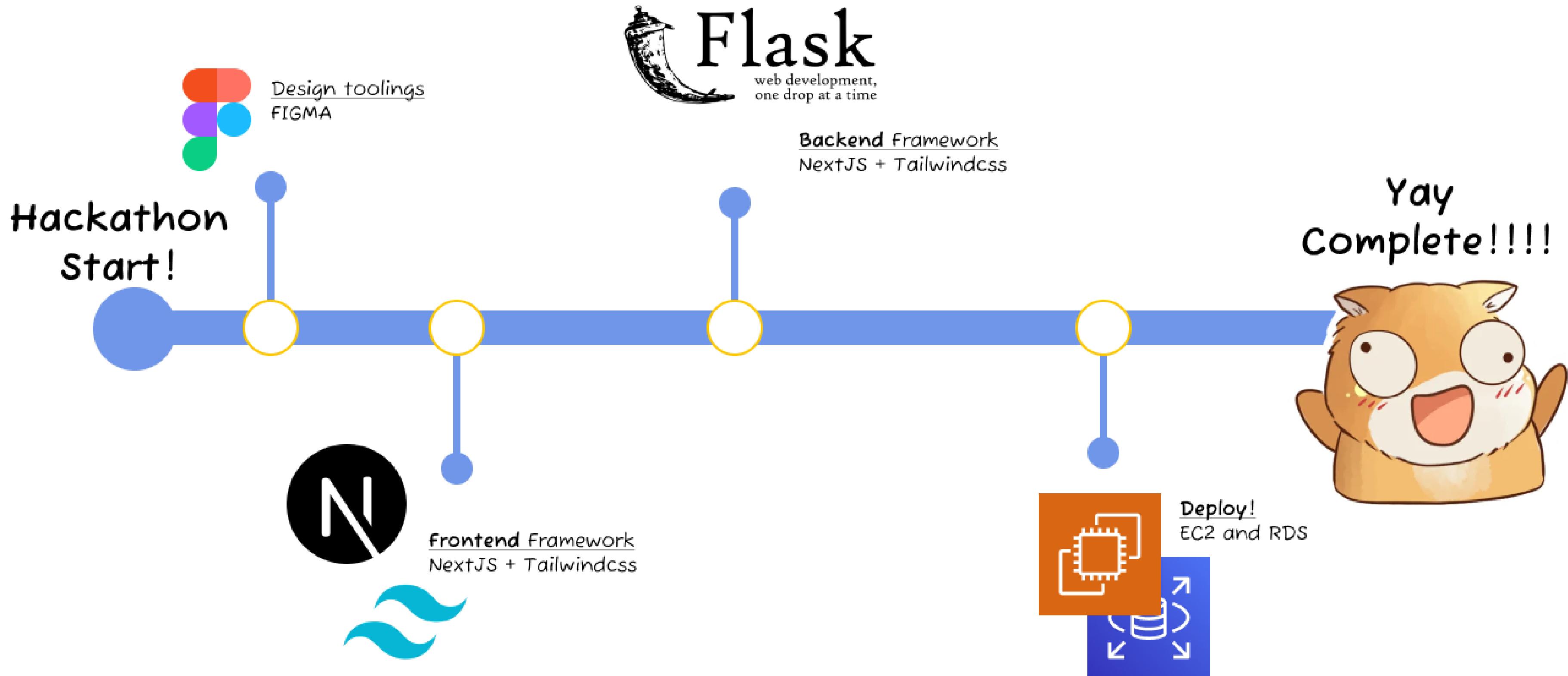
Provide latest
investment
insights

05

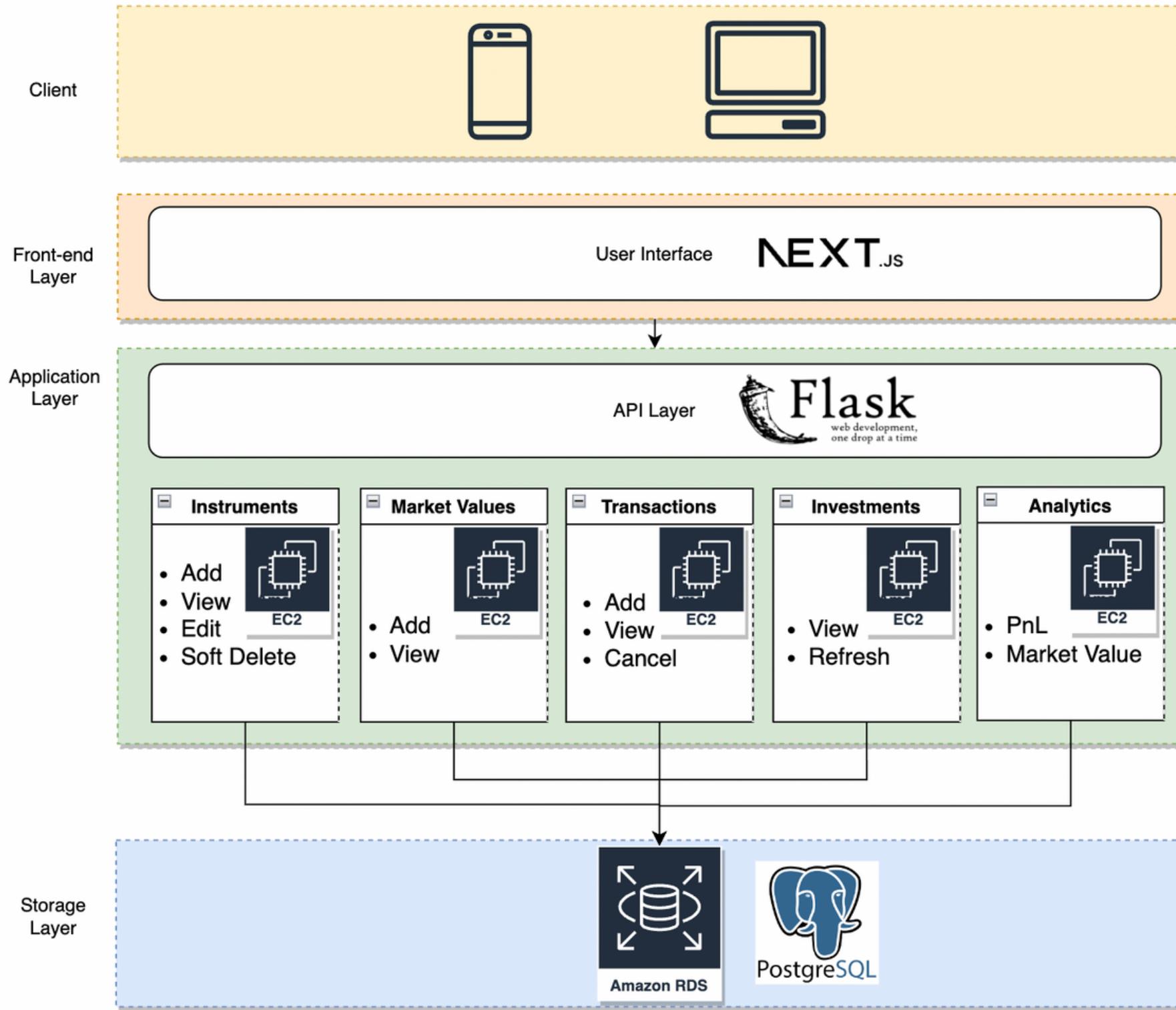
Analytics on
the investment
activities



How we get there



Implementation



Microservices Architecture

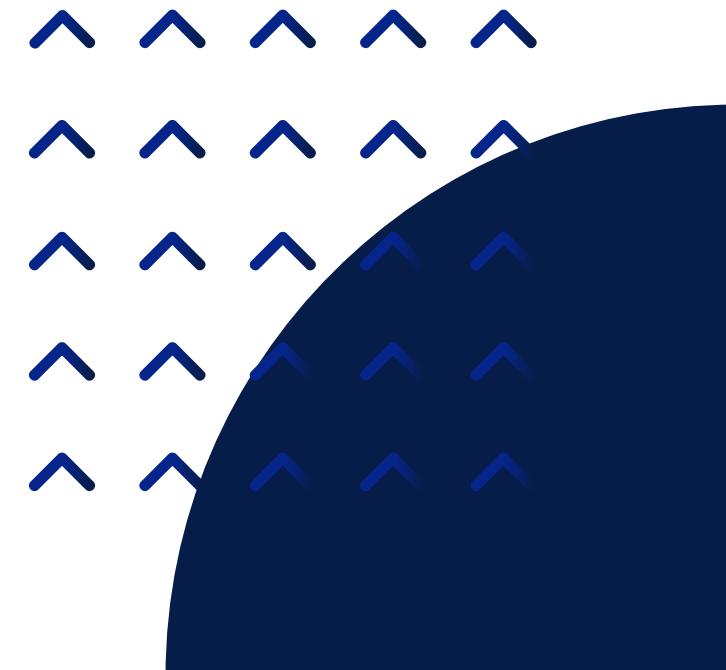
- one module one service
- resiliency
- scalability

Tech Stack

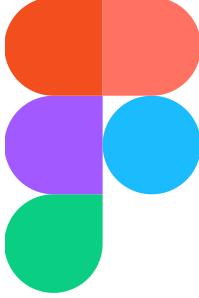
Frontend: NextJs, Tailwindcss, MUI, axios

Backend: Flask

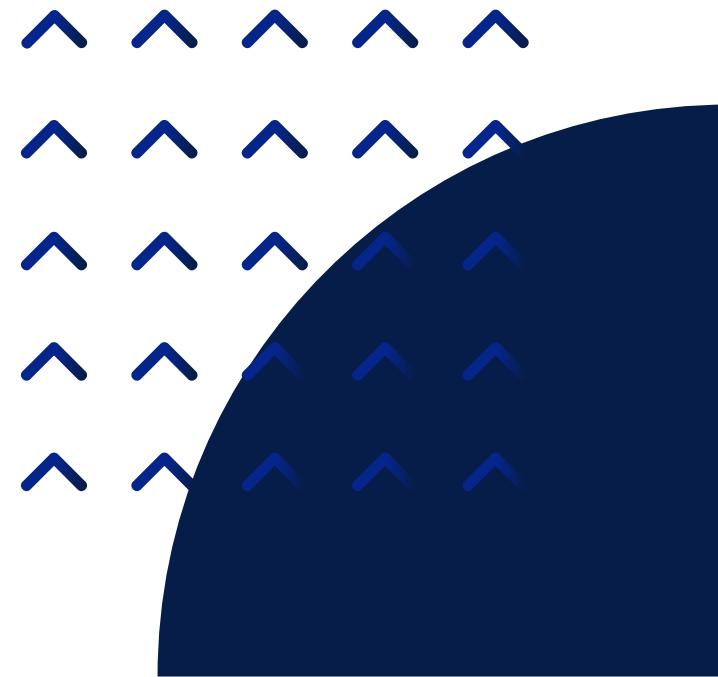
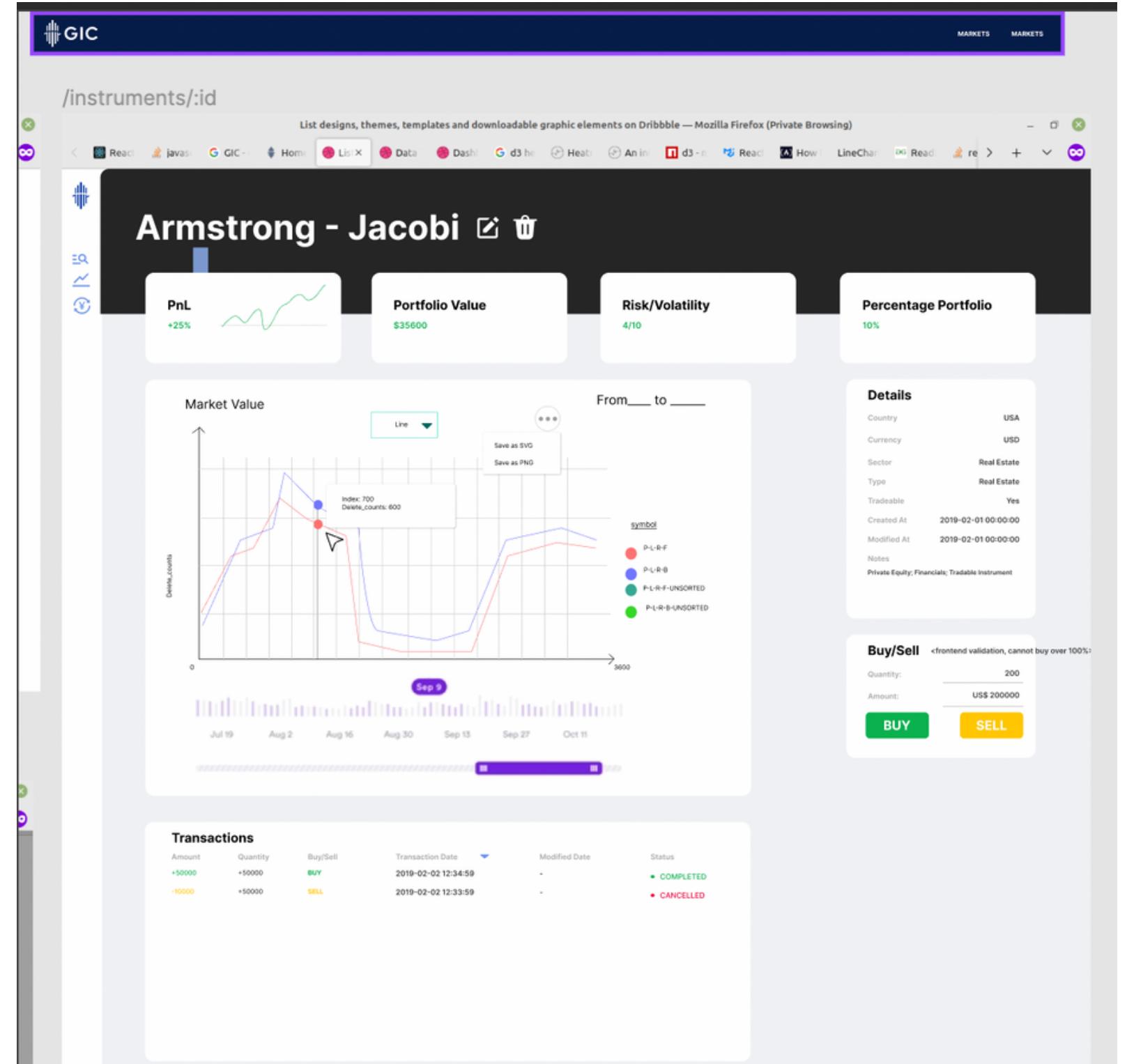
Database: Amazon RDS PostgreSQL



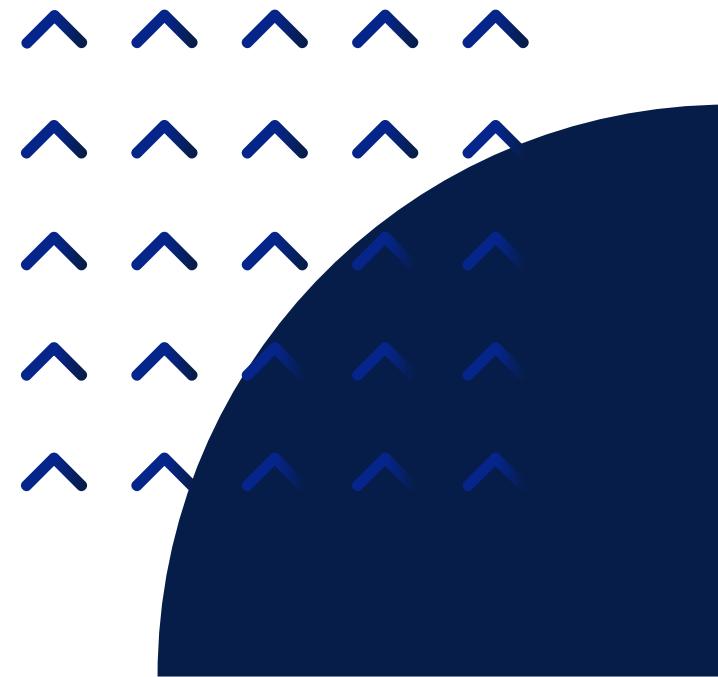
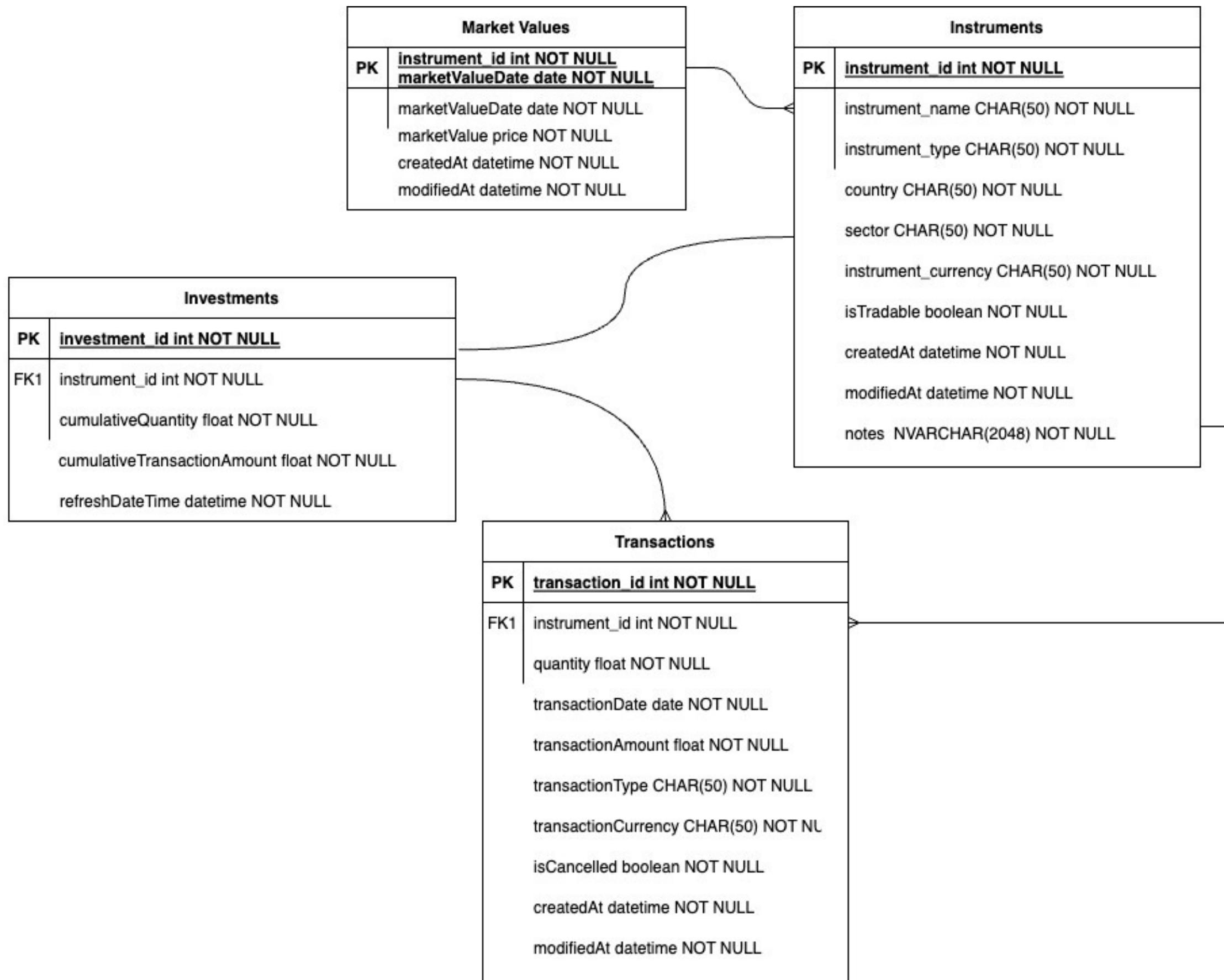
Design



UI/UX Mockup Design
created using Figma



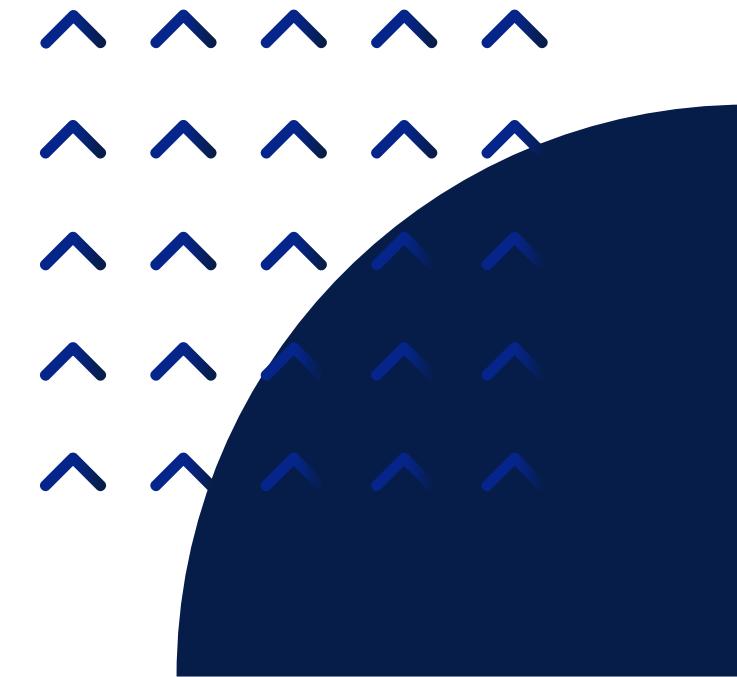
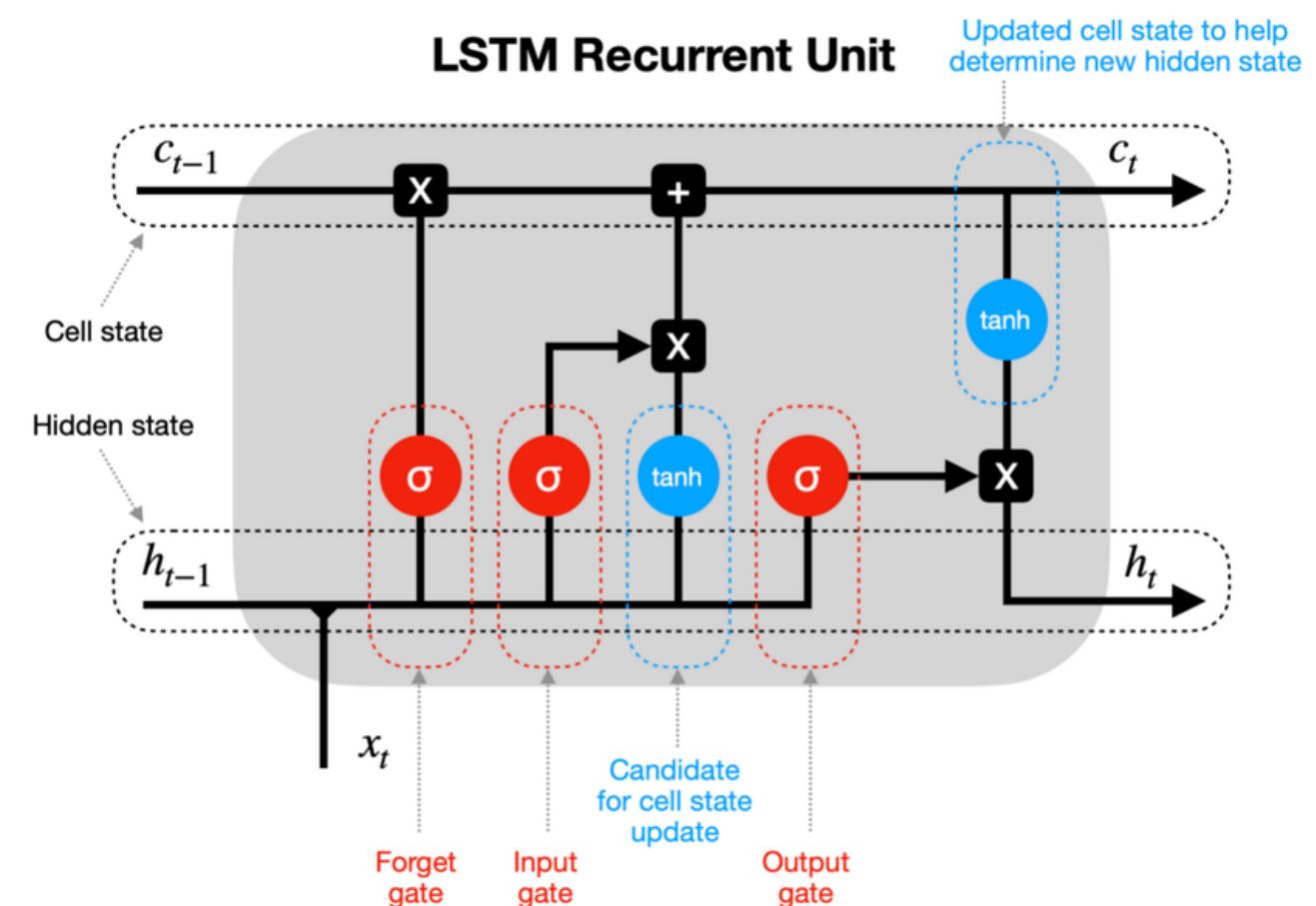
Database Schema



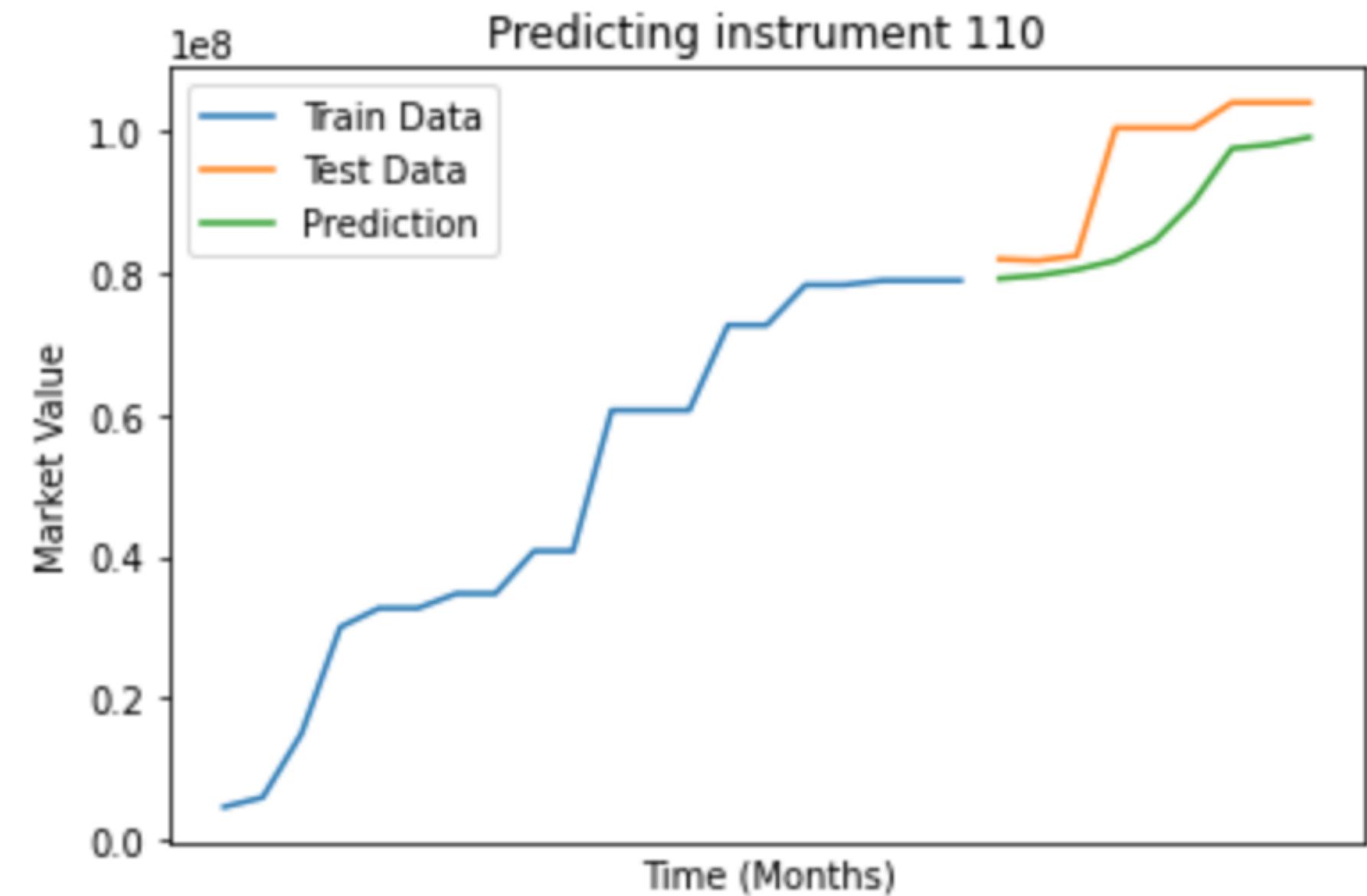
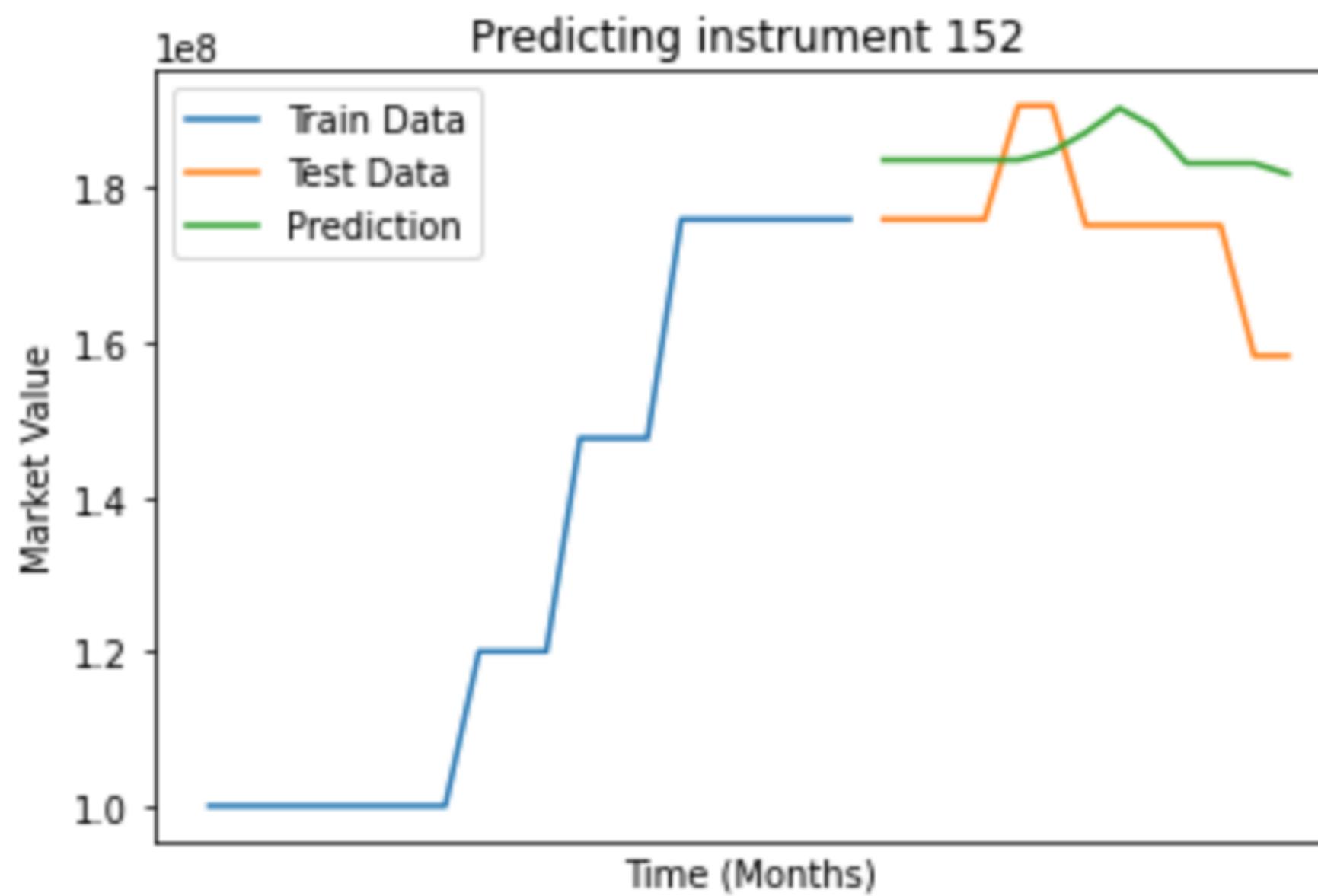
Side challenge

Forecast market values for all instruments in the next 12 months

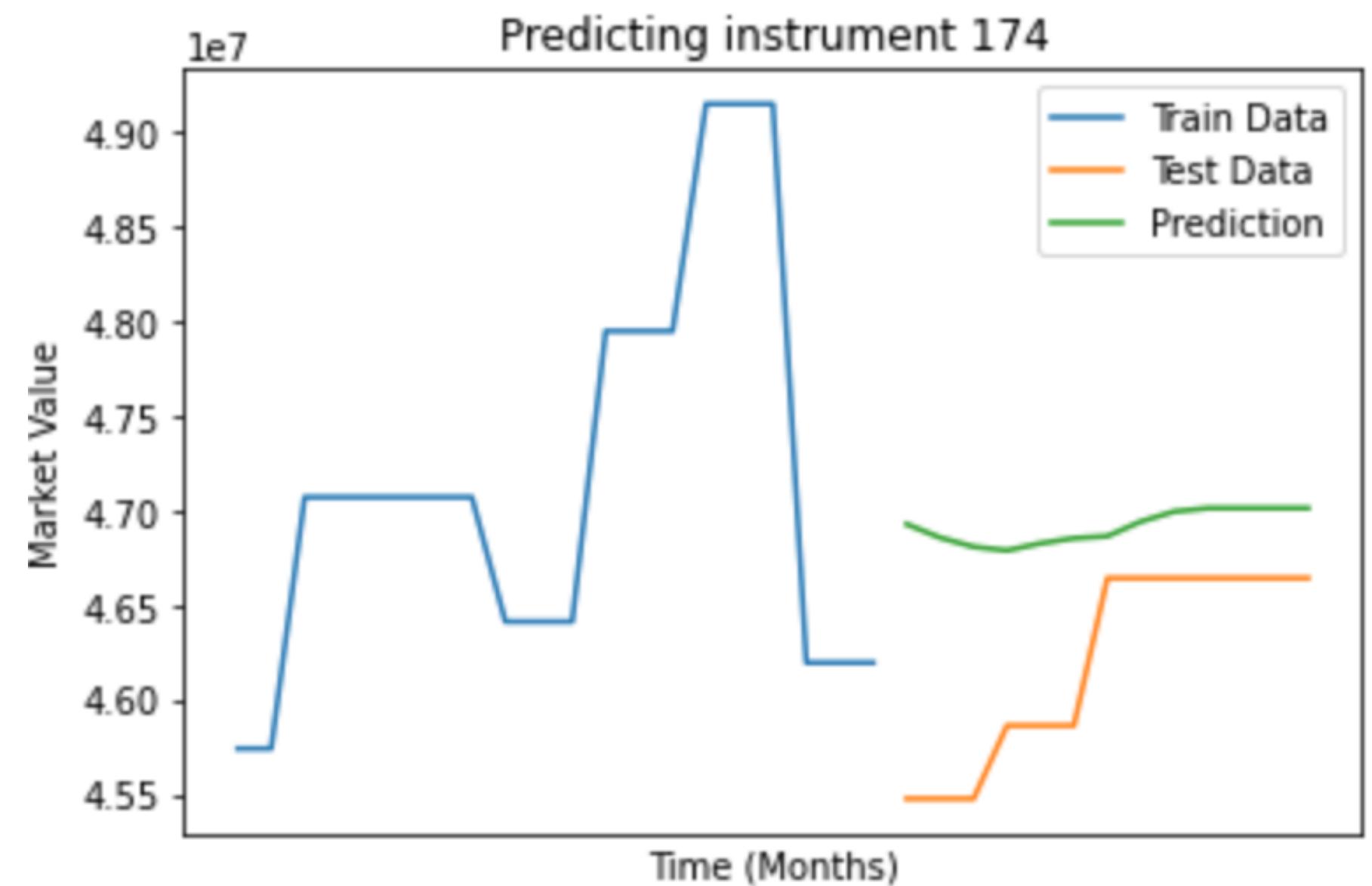
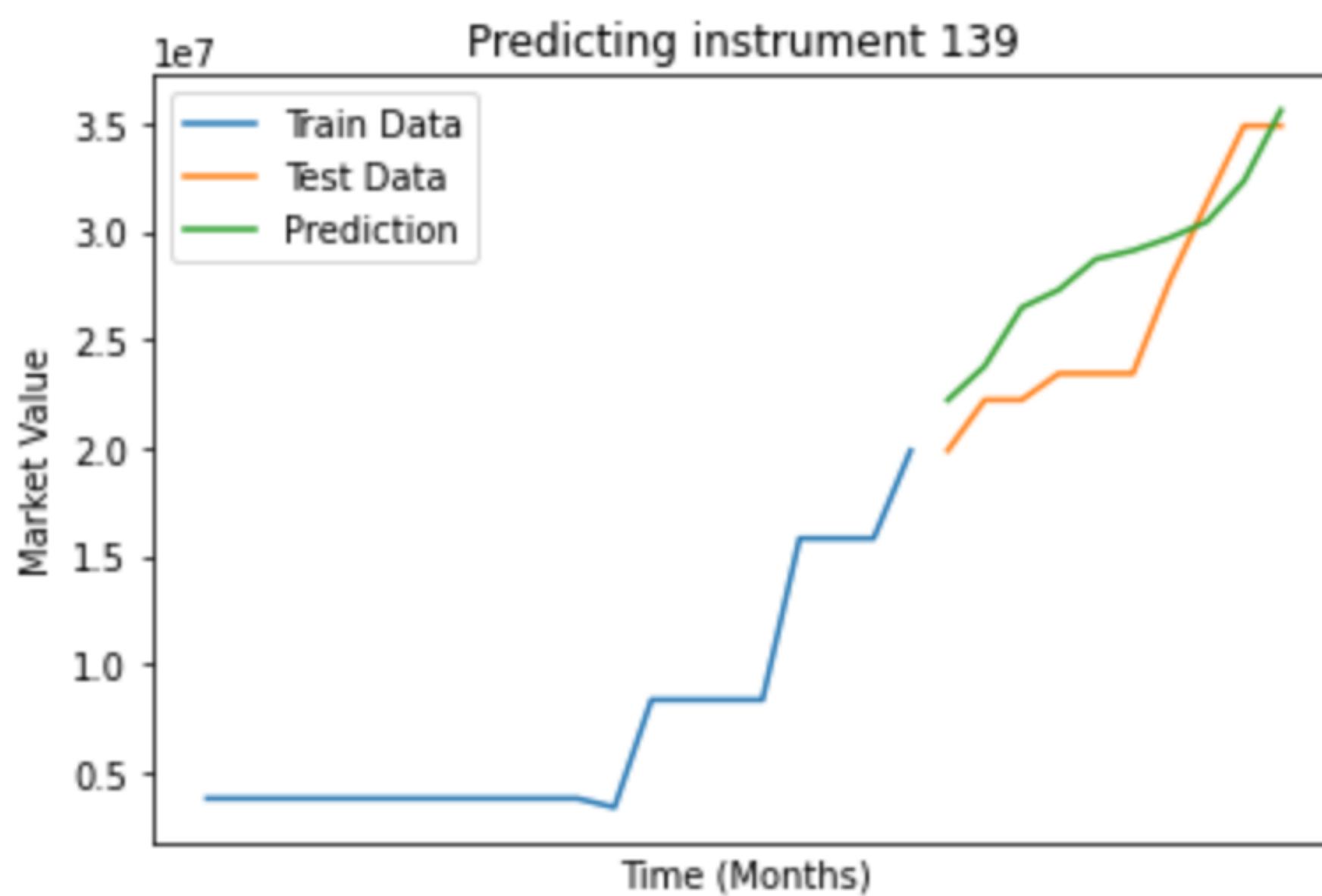
LONG SHORT-TERM MEMORY NEURAL NETWORKS



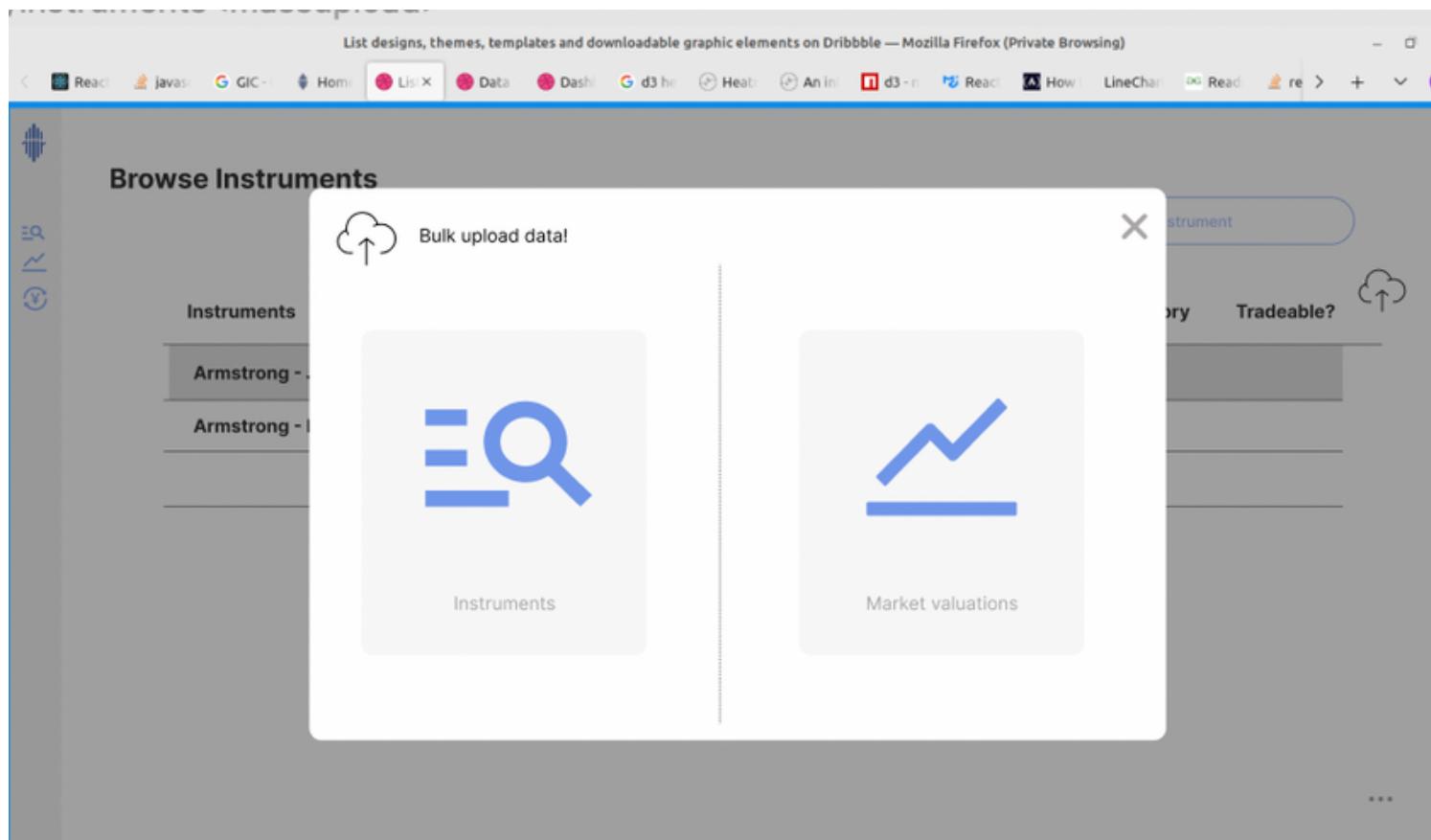
Results



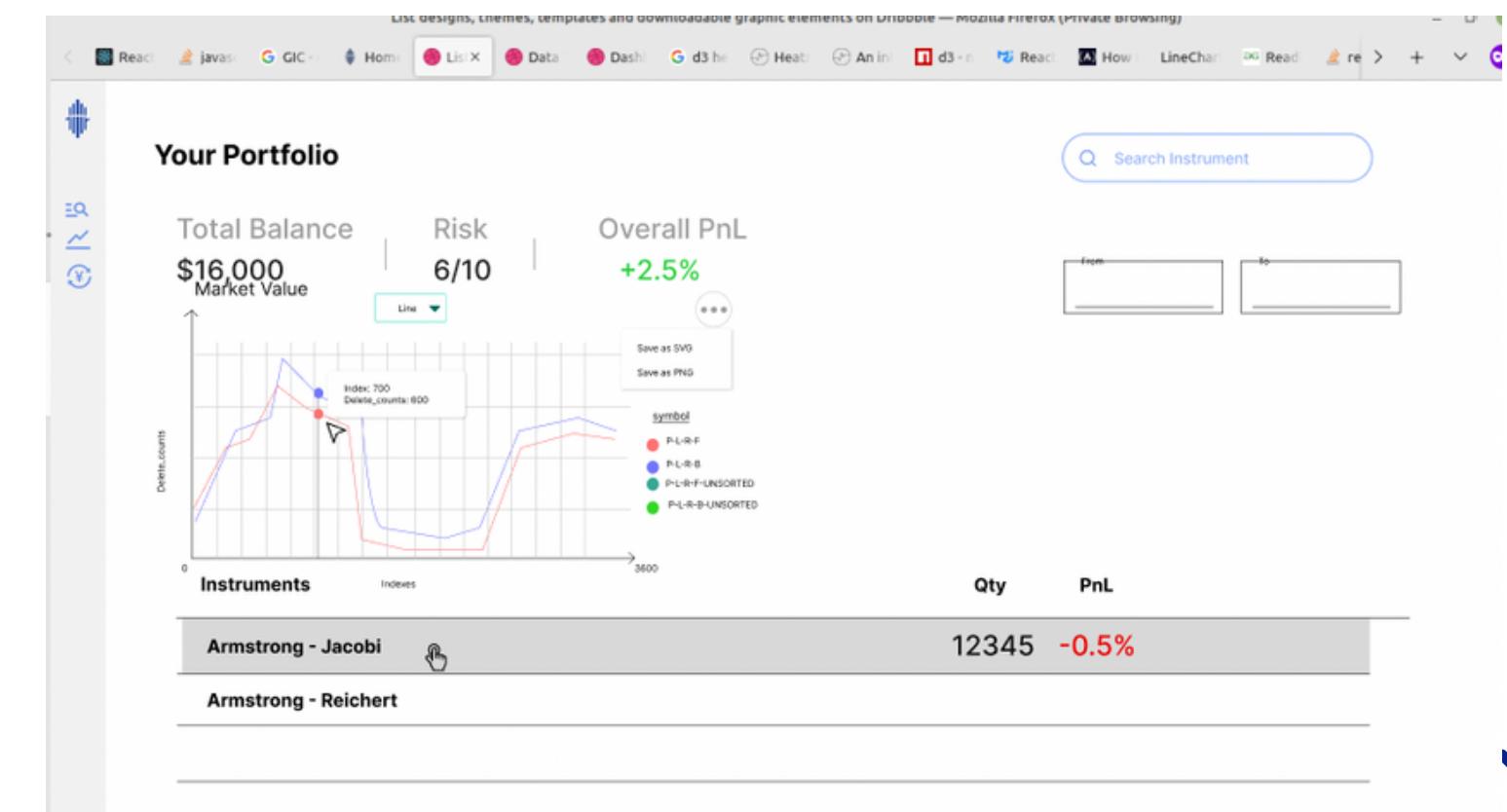
Results (more)



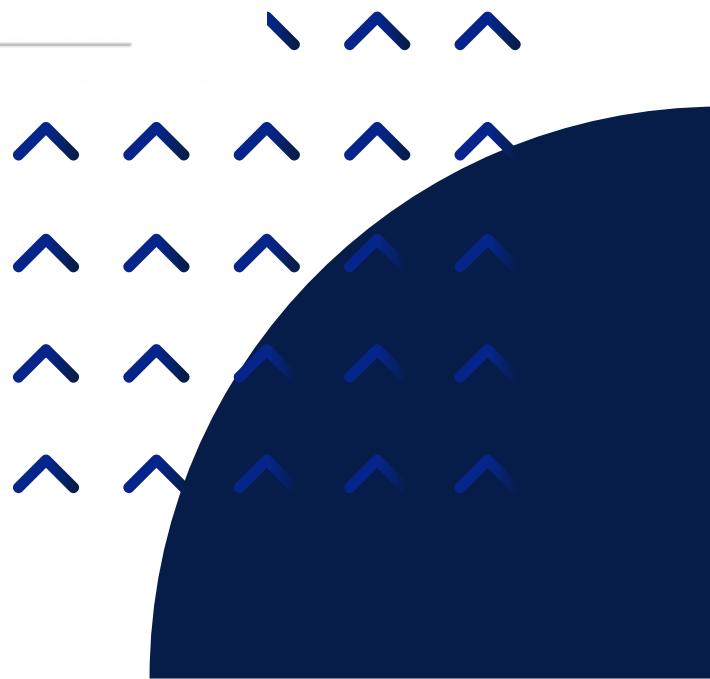
Whats next ?



Bulk Upload Instruments and Market Value Data



Portfolio Management



*Thank
You*

Time for a Quick
Demo

