

# Hello Trader!

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## BigBucks

# Pitch Deck

AMY CHANG, QIJUN YANG, RUIJIE ZHAO, STELLA YU

## Login

Don't have an account? [Create Your Account](#) it takes less than a minute

Enter Email

Enter Password

Log In

Try Pitch

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# 1 Overview

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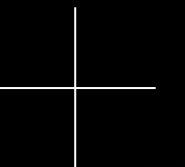
# 2 Features

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# 3 UML & Principles

---

# 4 Q & A



# OVERVIEW OF WEBSITE

[https://prodduke-my.sharepoint.com/:v:/r/personal/sy262\\_duke\\_edu/Documents/FinTech512\\_Video/FinTech512\\_Video1.mp4?csf=1&web=1&e=dTpmDJ](https://prodduke-my.sharepoint.com/:v:/r/personal/sy262_duke_edu/Documents/FinTech512_Video/FinTech512_Video1.mp4?csf=1&web=1&e=dTpmDJ)

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# 1 Overview

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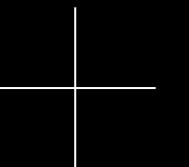
# 2 Features

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# 3 UML & Principles

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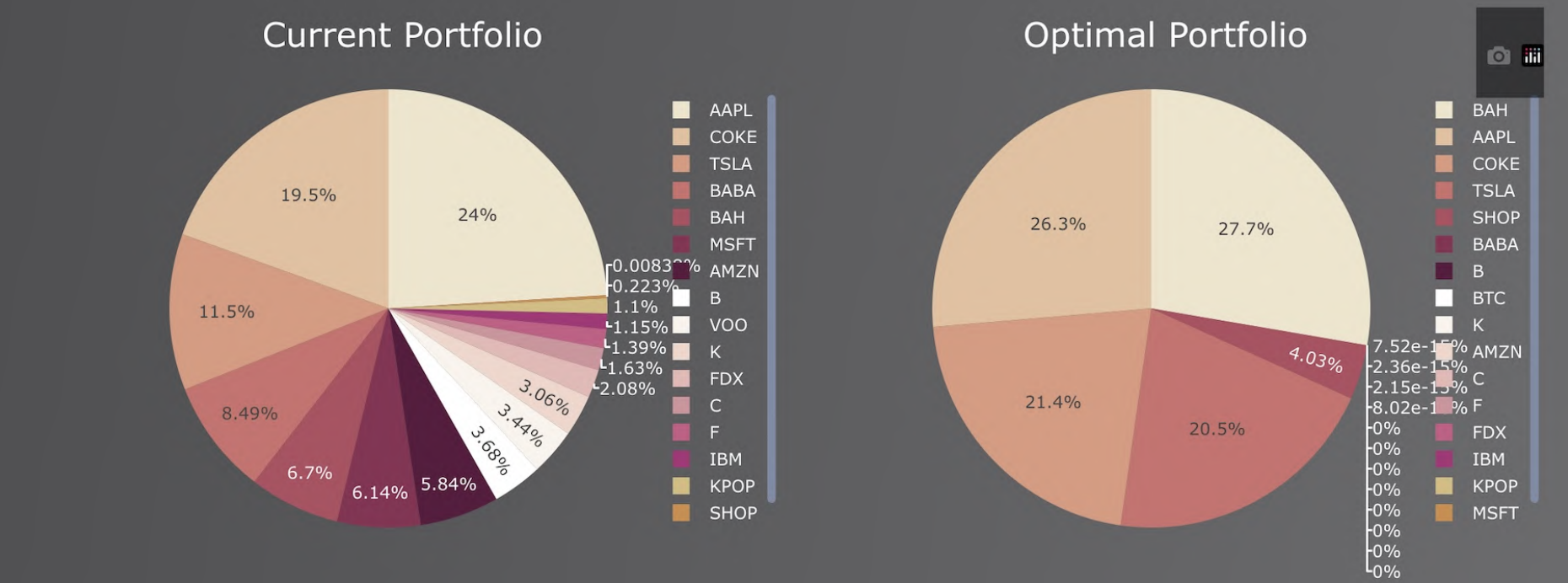
# 4 Q & A



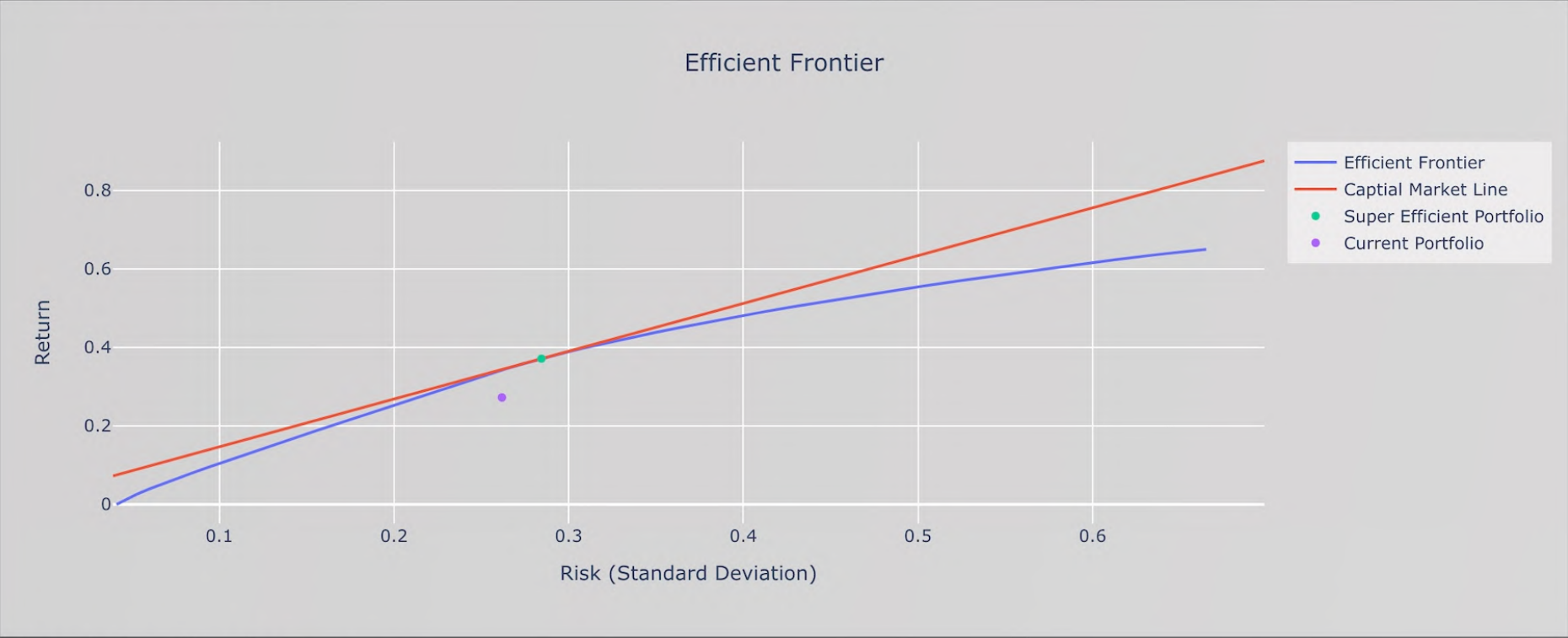
# FEATURES OF WEBSITE

<http://team-n.colab.duke.edu:8080>

# FEATURES OF ADMIN



Efficient Frontier



Portfolio Performance

Type	Sharpe Ratio	Return	Volatility
Super Efficient Portfolio	1.18	37.14%	28.44%
Current Portfolio	0.9	27.25%	26.18%



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# 1 Overview

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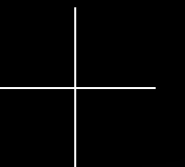
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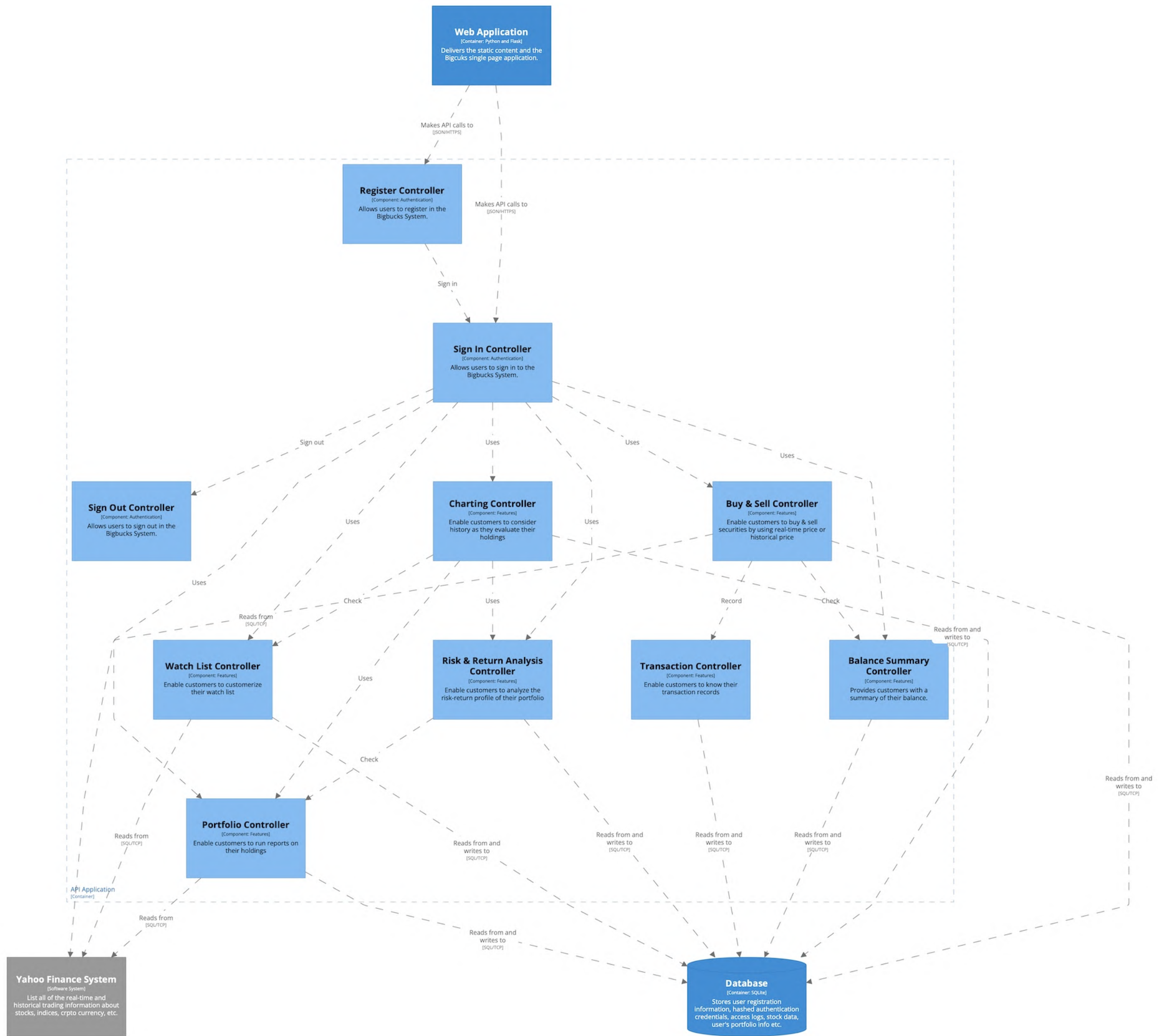
# 3 UML & Principles

---

# 4 Q & A



# UML OF WEBSITE





# PRINCIPLES OF WEBSITE

## Figure-ground

Visual relationship between the primary elements and the background

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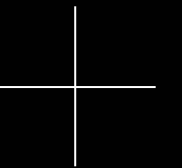
## Similarity

Elements in similar appearance, such as shape, size, color, or texture, are perceived as being related to each other

---

## Continuity

Visually similar elements should be grouped together to create a sense of unity and flow



Account Page

Cash Balance

\$1,004,956.42

Portfolio Balance (Today)

\$4,654.32

Total Balance (Today)

\$1,009,610.74

Portfolio Balance (Historical)

\$420.12

Total Balance (Historical)

\$1,005,376.54

Enter the Amount:

Amount

Add cash

Cash out

Stock Info

Stock Symbol:

Add Stock

Show 10 entries

Search:

Symbol	Name	Current Price	Daily High	Daily Low	Volume	Market Cap	Sector	Action
AAPL	Apple Inc.	165.79	167.04	164.31	80.49 M	2,640.19 B	Technology	
AMZN	Amazon.com, Inc.	104.00	105.39	103.31	45.24 M	1,067.08 B	Consumer Cyclical	

Showing 1 to 2 of 2 entries

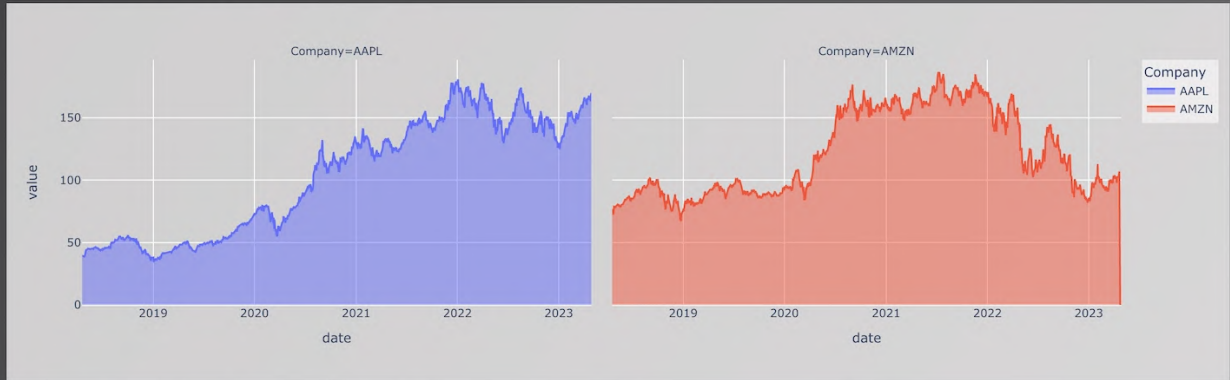
Previous

1

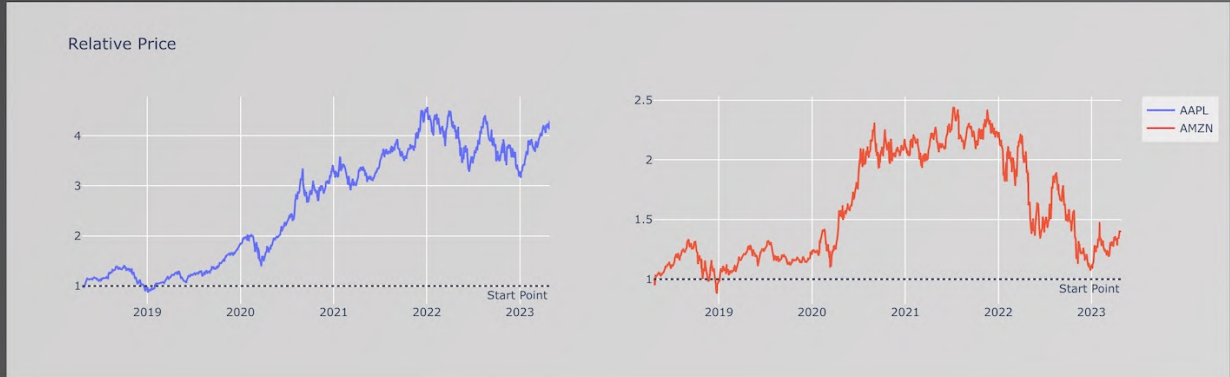
Next

Price Dashboard

Historical Price (Last 5 Years)



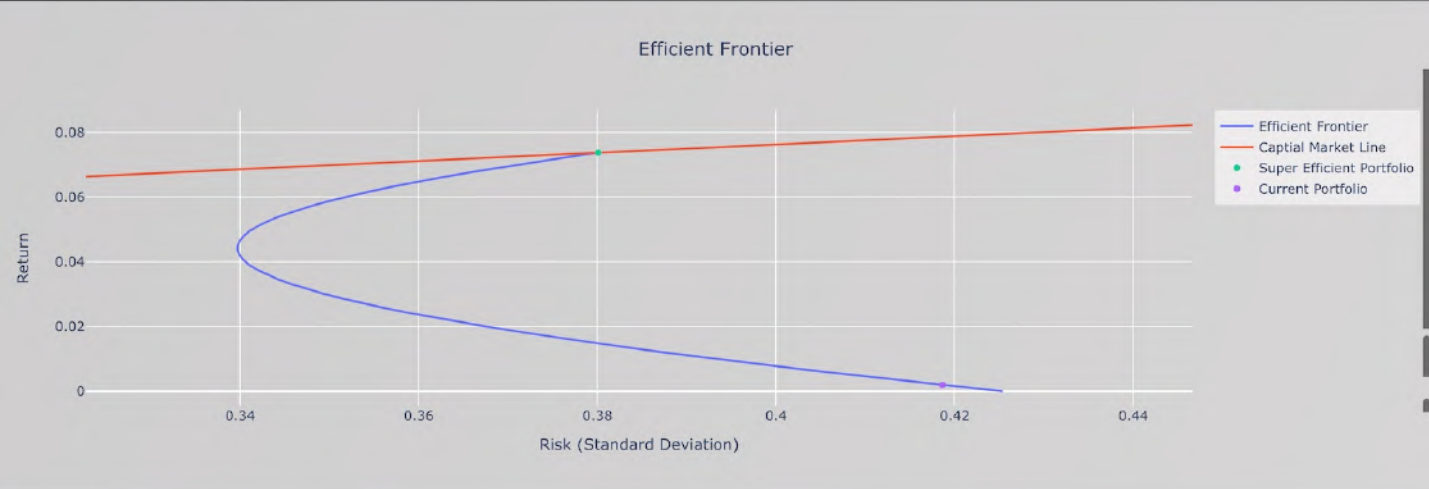
Relative Price (Last 5 Years)



Super Efficient Portfolio

Stock	Stock Symbol	Weights
FedEx Corporation	FDX	100.00%
Alibaba Group Holding Limited	BABA	0.00%

Efficient Frontier



Portfolio Performance

Type	Sharpe Ratio	Return	Volatility
Super Efficient Portfolio	0.1	7.37%	38.01%
Current Portfolio	-0.08	0.2%	41.86%

Portfolio Growth



Annual Returns



# PRINCIPLES OF WEBSITE

## Figure-ground

Visual relationship between the primary elements and the background

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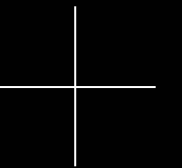
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adminAccountsTransactionsPortfolioAdministrator ReportLog Out

Transactions Page

Which stock do you want to buy?

Stock Symbol:

Stock Symbol

Number of shares:

Quantity

Amount of USD:

Amount

Select the stock's closing date:

mm/dd/yyyy

BUY

Which stock do you want to sell?

Stock Symbol:

Stock Symbol

Number of Share:

Quantity

Amount of USD:

Amount

Select the stock's closing date:

mm/dd/yyyy

SELL

adminAccountsTransactionsPortfolioAdministrator ReportLog Out

Account Page

Cash Balance

\$883,589.00

Portfolio Balance (Today)

\$105,127.00

Total Balance (Today)

\$988,716.00

Portfolio Balance (Historical)

\$116,411.00

Total Balance (Historical)

\$1,000,000.00

Enter the Amount:

Amount

Add cashCash out

Stock Info

Stock Symbol:

Add Stock

Try Pitch

adminAccountsTransactionsPortfolioAdministrator ReportLog Out

Portfolio Page

Portfolio Balance

\$105,127.00

Look at admin's Portfolio

Stock	Stock Symbol	Number of Shares Owned	Weights
FedEx Corporation	FDX	100	19.71%
Alibaba Group Holding Limited	BABA	1000	80.29%

Current Portfolio

Optimal Portfolio

Super Efficient Portfolio

Stock	Stock Symbol	Weights
FedEx Corporation	FDX	100.00%
Alibaba Group Holding Limited	BABA	0.00%

Efficient Frontier

Efficient Frontier

Return

Risk (Standard Deviation)

Efficient Frontier

Capital Market Line

Super Efficient Portfolio

Current Portfolio

# PRINCIPLES OF WEBSITE

## Figure-ground

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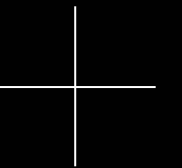
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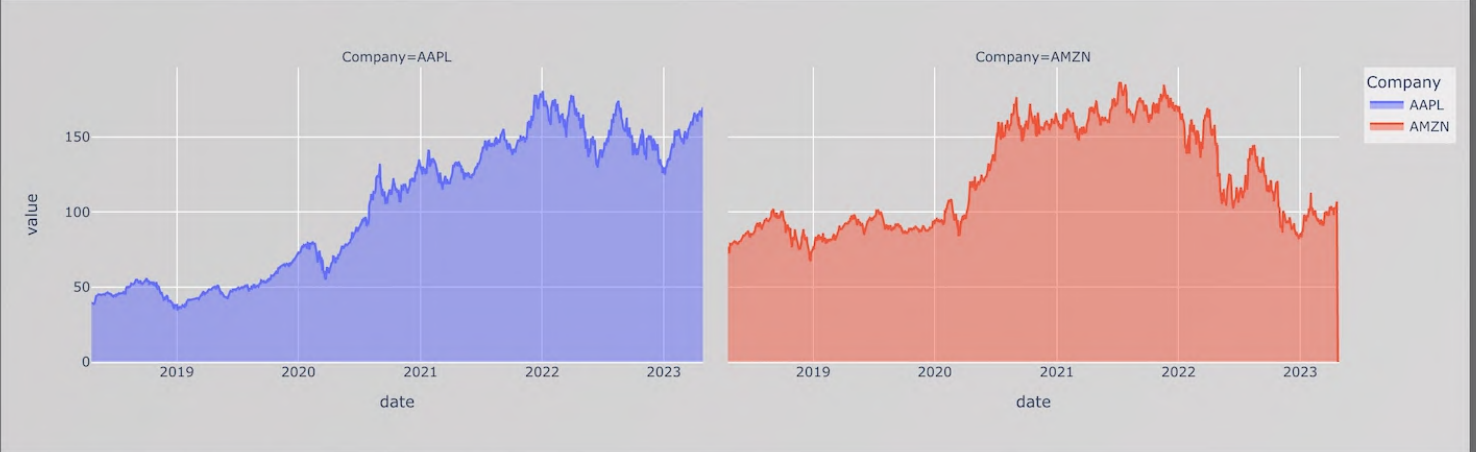
Previous

1

Next

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Historical Price (Last 5 Years)

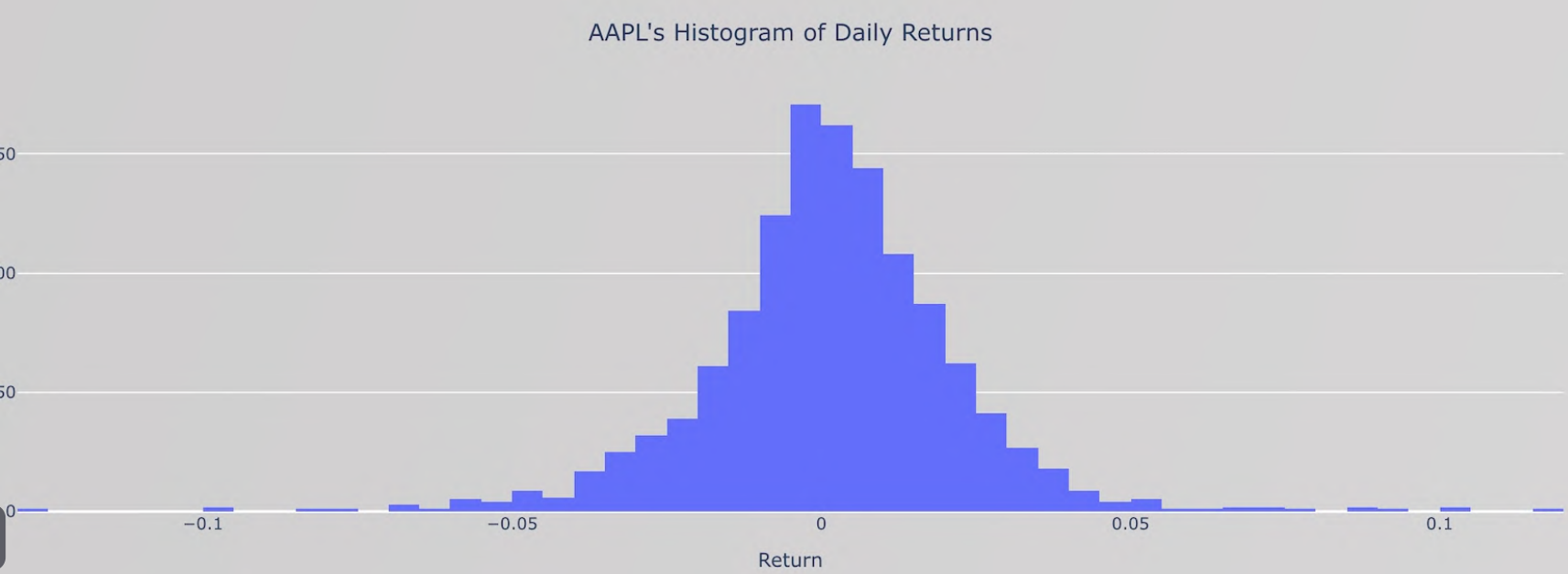
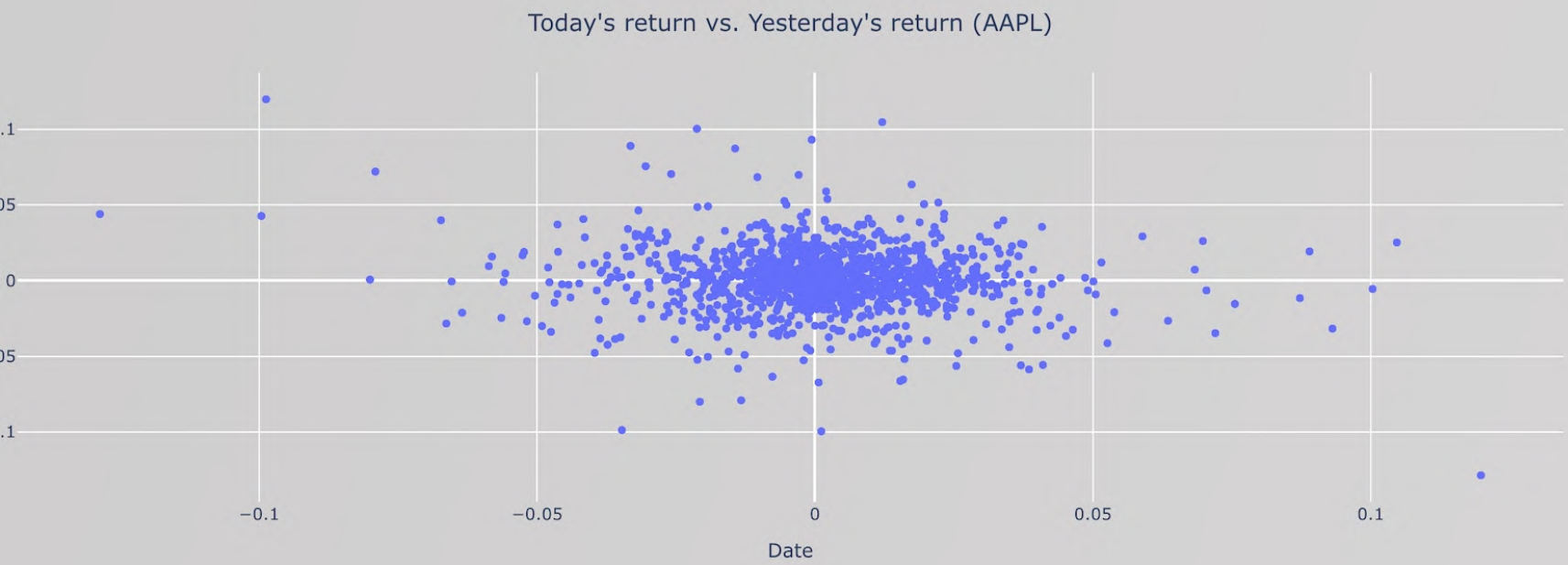
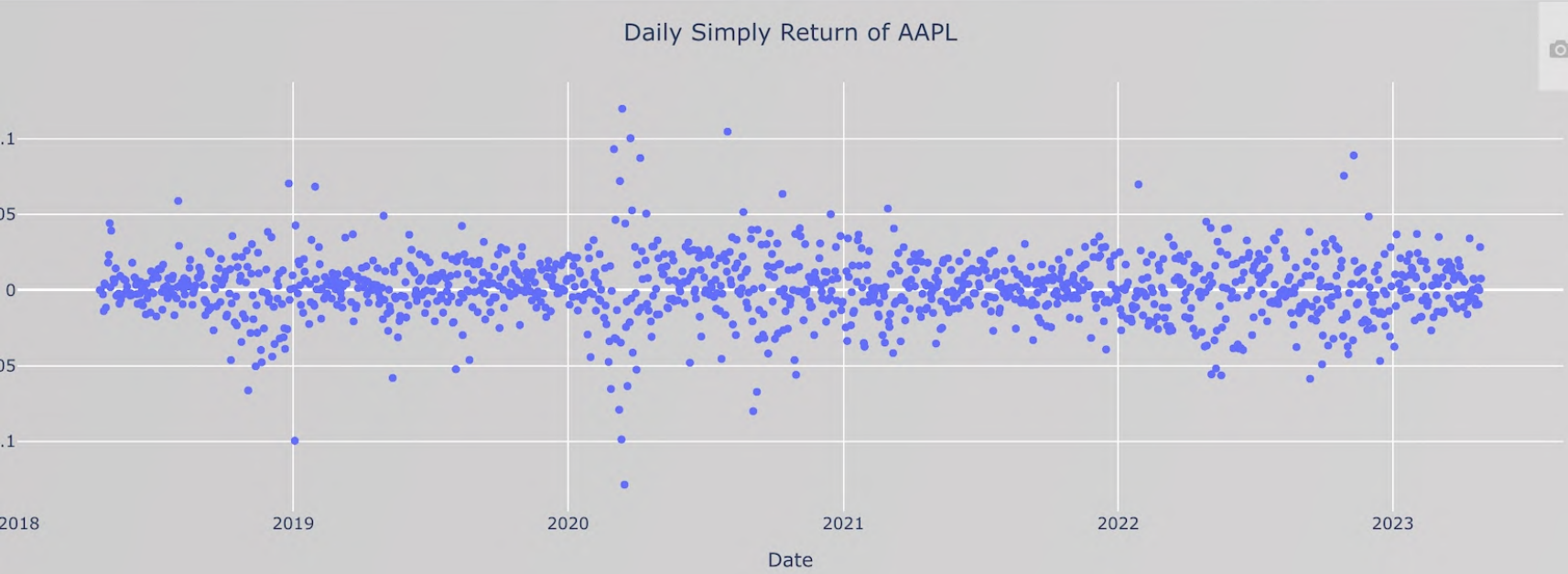


Relative Price (Last 5 Years)

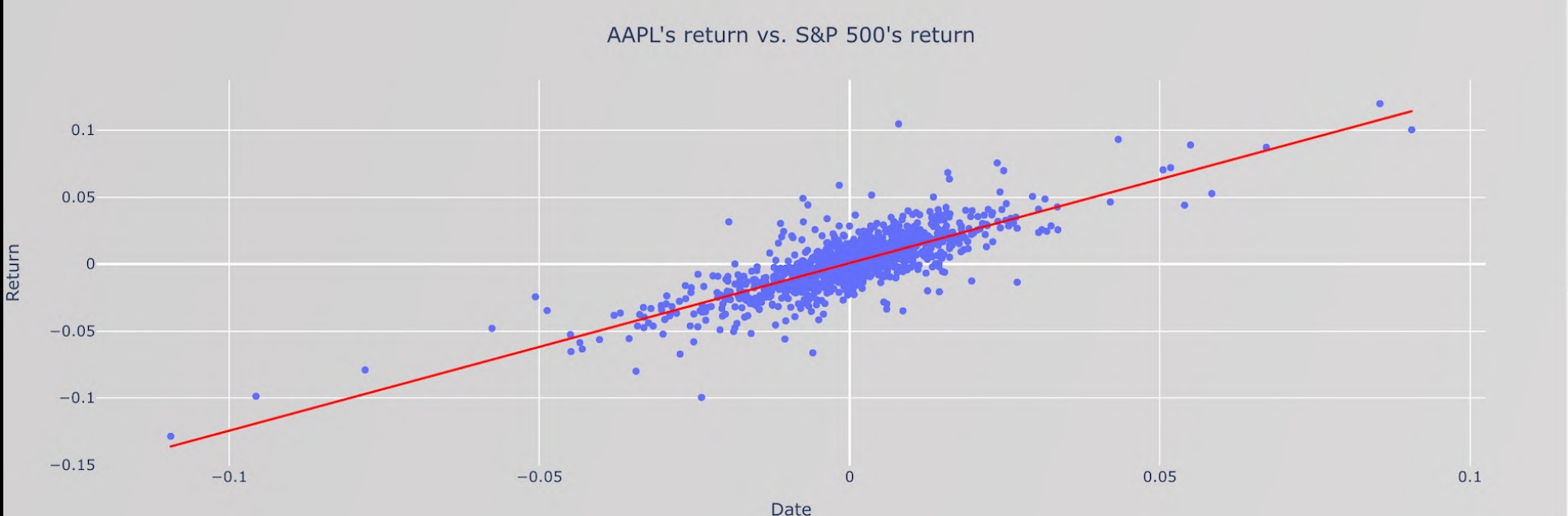
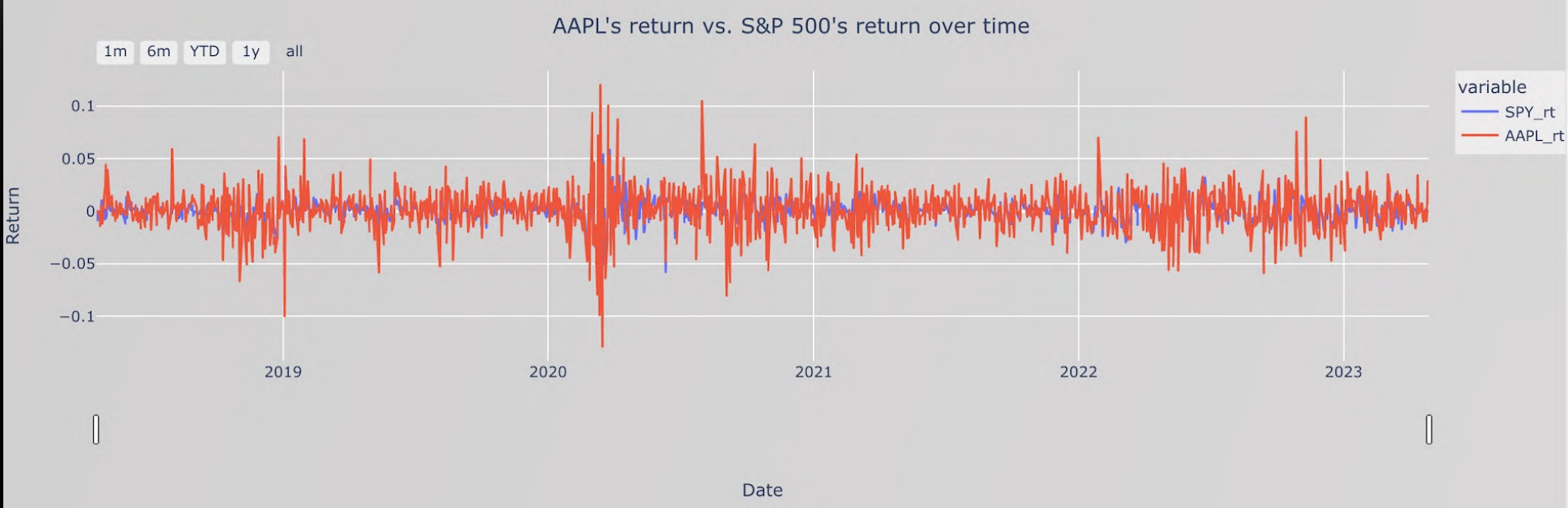
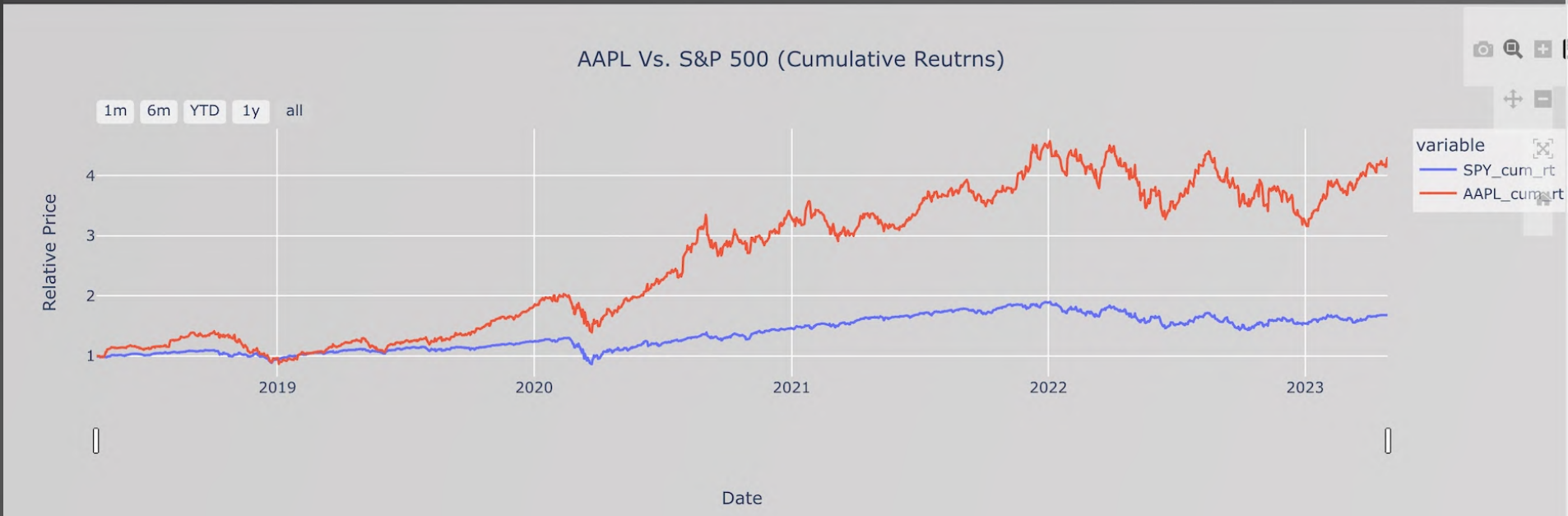
Relative Price



# AAPL Historical Return



# AAPL's Alpha & Beta





Transactions Page

Which stock do you want to buy?

Stock Symbol:

Stock Symbol

Number of shares:

Quantity

Amount of USD:

Amount

Select the stock's closing date:

mm/dd/yyyy



BUY

Which stock do you want to sell?

Stock Symbol:

Stock Symbol

Number of Share:

Quantity

Amount of USD:

Amount

Select the stock's closing date:

mm/dd/yyyy



SELL

Transaction History

Stock	Stock Symbol	Number of Shares Bought or Sold	Date and Time of Transaction	Price per Share at Time of Transaction	Transaction Type	Total Transaction Cost	Closing Date Selected at Time of Buy or Sell	Transaction ID
Apple Inc.	AAPL	10	2023-04-19 22:10:15	163.76	buy	1,637.60	2023-04-05	5
Apple Inc.	AAPL	2	2023-04-19 22:10:25	165.56	sell	331.12	2023-04-13	6
Apple Inc.	AAPL	2	2023-04-19 22:10:41	165.63	sell	331.26	2023-04-04	7
Amazon.com, Inc.	AMZN	3	2023-04-19 22:13:38	102.40	buy	307.20	2023-04-13	8
Tesla, Inc.	TSLA	20	2023-04-19 22:14:09	237.04	buy	4,740.80	2022-07-13	9
Amazon.com, Inc.	AMZN	2	2023-04-19 22:15:16	99.92	sell	199.84	2023-04-11	10
Apple Inc.	AAPL	2	2023-04-20 00:00:59	160.10	buy	320.20	2023-04-12	19

Portfolio Page

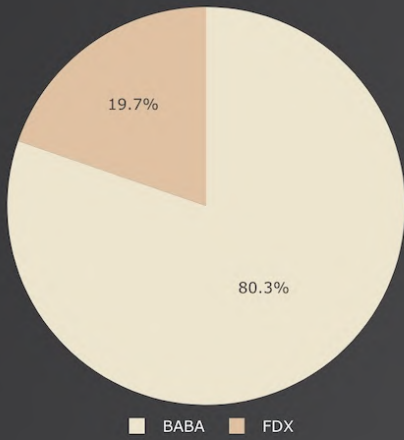
Portfolio Balance

\$105,127.00

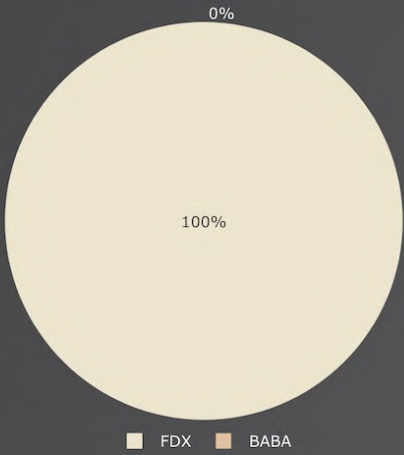
A Look at admin's Portfolio

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Current Portfolio



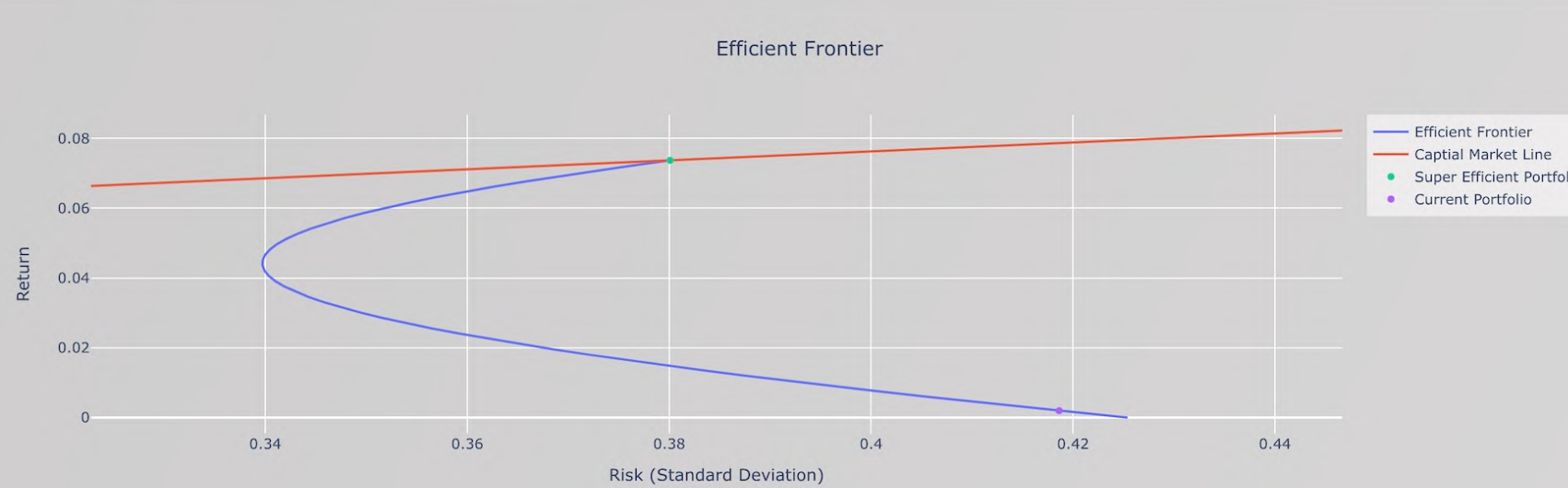
Optimal Portfolio



Super Efficient Portfolio

Stock	Stock Symbol	Weights
FedEx Corporation	FDX	100.00%
Alibaba Group Holding Limited	BABA	0.00%

Efficient Frontier





**BigBucks**

**Thank you**

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