TradeMaster
(Trading App)

Aishwarya Girish Mensinkai

amensink@syr.edu

SUID: 952483319

Introduction

- TradeMaster is a versatile and intuitive application designed to support stock trading and cryptocurrencies investment activities.

- The platform offers a wide range of tools and features catering to the needs of both individual investors and traders across all experience levels.

Features and Functionality

- Real-time Market Data: API list

- Advanced Charting Tools: Swift Charts

- News and Notifications: News API, Apple push

- Security: Firebase

- Database: Firebase

- Use Face ID to login: Apple

- Photo Capture: ImagePicker

- Scanning Document: Apple's Vision framework (VNDocumentCameraViewController)

- Adding funds to wallet: Apple Pay

- Trade Execution: Store in database

- Themes: Light/Dark

- Portfolio Management

Available API's

There are many APIs that can be used to get data for free

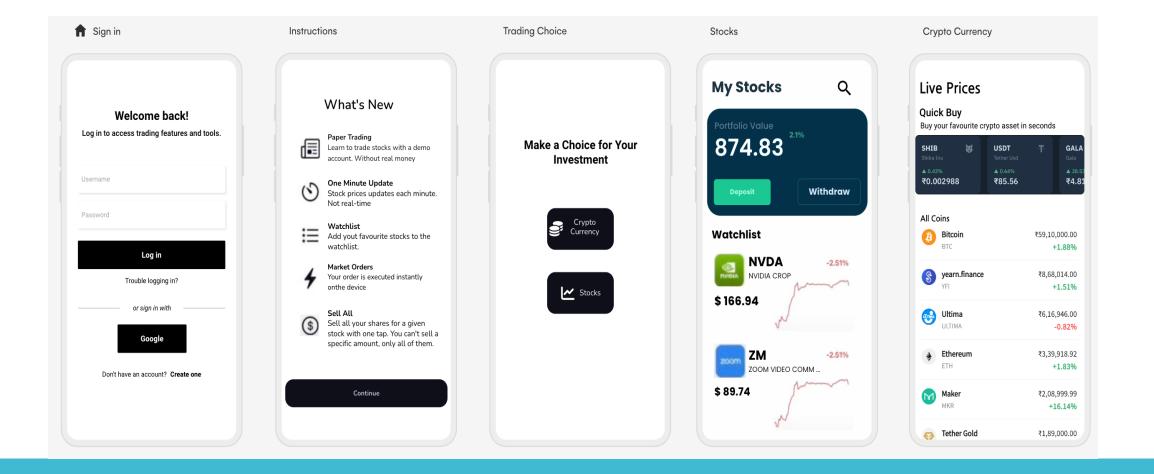- **Coingecko api:**   **https://www.coingecko.com/en/api**

- **Finn hub Stock api:**   **https://finnhub.io/**

- **News api:**   **https://newsapi.org/**

- **Alpha vantage:**   **https://www.alphavantage.co/**

Competitive Analysis

- Competitors: Robinhood, ETRADE, Fidelity

- Differentiation: Advanced charting tools, customizable watchlists, user-friendly interface, Integration of Apple Pay to add funds, Biometric Authentication.

Old Design's

New Design's

- Figma Design

Conclusion

- TradeMaster aims to revolutionize the trading experience by providing a comprehensive platform tailored to the needs of users at all levels of expertise.