

CS 4287 Group 7: Investment Portfolio Tracker App

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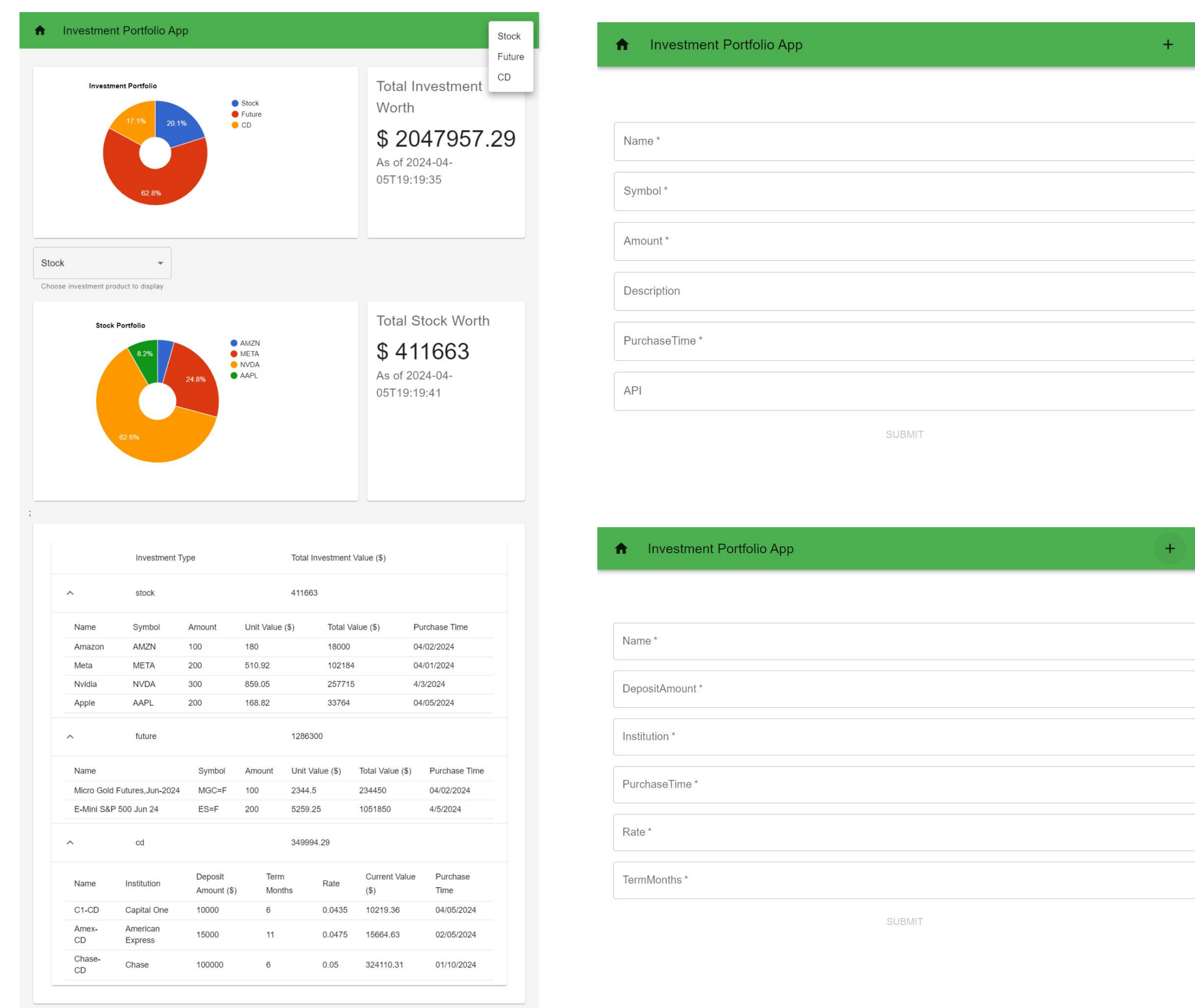
Problem Statement

Today's investors encounter a **notable challenge**: the **absence of a centralized platform** for effectively overseeing and evaluating their array of investment holdings. Despite the multitude of investment opportunities available, there exists a notable gap in the market for a singular hub offering **real-time tracking and analysis** of diverse investment products. Without this centralized solution, investors are left **navigating fragmented data sources, impeding their ability** to gain holistic insights and make informed decisions regarding their investments.

Our Solution

To solve this problem, we're developing a cloud-based platform that simplifies investment management. Investors can easily input details about their investments, including type, quantity, and value. Utilizing contemporary technologies like **React App** for the user interface and **Docker** for seamless app hosting, our platform will offer users a user-friendly dashboard displaying real-time prices and insightful analytics for all their investments. Ensuring reliability and scalability, we'll leverage tools like **Vagrant** and **Ansible** for hassle-free deployment and **Kafka** for efficient data streaming. Furthermore, to maximize accessibility, our platform will be hosted on **AWS**. Additionally, **MongoDB** will serve as the backbone, storing application data and supporting essential CRUD operations for smooth user interactions.

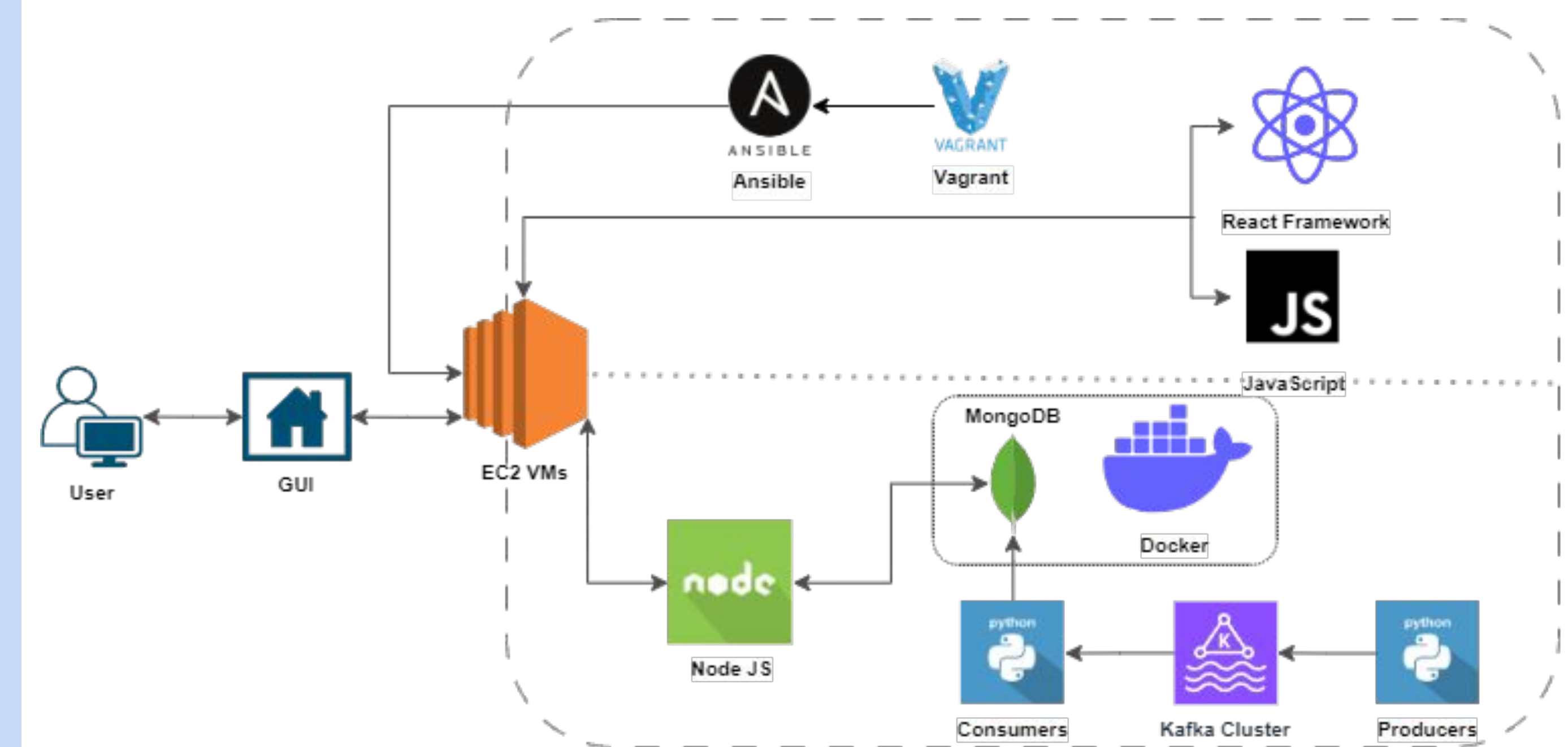
We developed an investment portfolio tracker app that supports various finance products and custom APIs.



Demo Website



Solution Architecture



Cloud Technologies Used



Future Work

- **Customizable Alerts:** Allow users to set alerts for significant changes in their portfolio.
- **Integration with Financial Institutions:** Streamline data input by integrating with users' existing accounts.
- **Machine Learning Predictions:** Offer predictive analysis of future investment trends.
- **Multi-language Support:** Expand accessibility with support for multiple languages.