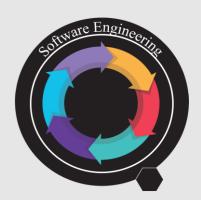
NOBETCI BORSA



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Abstract

"Nöbetçi Borsa" is a mobile app for realtime stock market monitoring. It features secure user authentication, real-time data, watchlist management, and event notifications. Users can access detailed stock info and historical data. The app uses APIs from DenizBank, Hürriyet, and TradingView for accurate information. Built with React Native and .NET 8, it ensures high performance and reliability, catering to both novice and professional investors.

ACCOUNT SERVICE

Figure 1 - Diagram

Company Info

The "Nöbetçi Borsa" mobile application is by IMPORTRADER, developed independent software company focusing on financial technology solutions. The application is a collaborative effort with DenizBank, leveraging their live data streaming API for real-time stock market updates. This partnership enables "Nöbetci Borsa" to deliver precise and immediate stock market data to its users, making it a distinct and competitive product in the fintech sector.

Results & Conclusion

The "Nöbetçi Borsa" mobile application

updates, user authentication, and

and user-friendly design. Future

notification systems, demonstrating

include the importance of robust API

integration, performance optimization,

enhancements will focus on advanced

security, and compliance challenges. This

expanding fintech capabilities and market

project has laid a strong foundation for

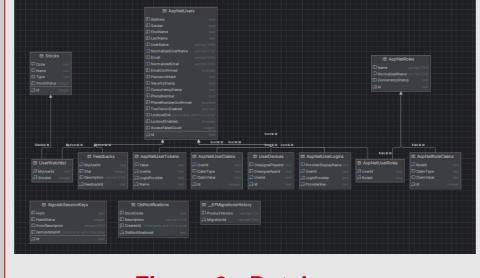
analytics and addressing scalability,

successfully implemented real-time stock

reliability and performance. Key learnings

Introduction

Investors and traders need reliable, realtime stock data for informed decisionmaking, but many existing mobile apps lack comprehensive features. "Nöbetçi Borsa" addresses this by offering a robust app with real-time monitoring, detailed stock info, personalized watchlists, and notifications. Using advanced technologies and APIs, it ensures accuracy and user-friendliness, catering to both novice and professional investors.



Solution

To address the need for real-time stock market data and decision-making support, "Nöbetçi Borsa" offers:

1.Real-Time Data Streaming:

1. Continuously fetches data from external APIs to ensure users have the latest stock prices.

2.Personalized Watchlist Management:

1. Allows users to create and manage watchlists efficiently using CRUD operations.

3.Event Notification System:

1. Monitors stock prices for predefined thresholds and triggers notifications accordingly.

4.Detailed Stock Analytics:

1. Aggregates historical data and provides visual representations for trend analysis.

5.User Interface Optimization:

1. Adapts the interface based on user interactions to ensure an intuitive and responsive experience.

Through these features, "Nöbetçi Borsa« facilitates informed financial decisions without overwhelming users with unnecessary complexity.

Figure 2 - Database



Dr. Sevgi Koyuncu Tunç

reach.

- Prof. Dr. Nihat Solakoğlu
- Prof. Dr. Mehmet Reşit Tolun
- Mehmet Akif Yıldıztekin (Digital Strategy and Algorithmic Trading Sales, Deputy General Manager)
- Ekin Keçeci (Founder Ekon at Technology and Software)

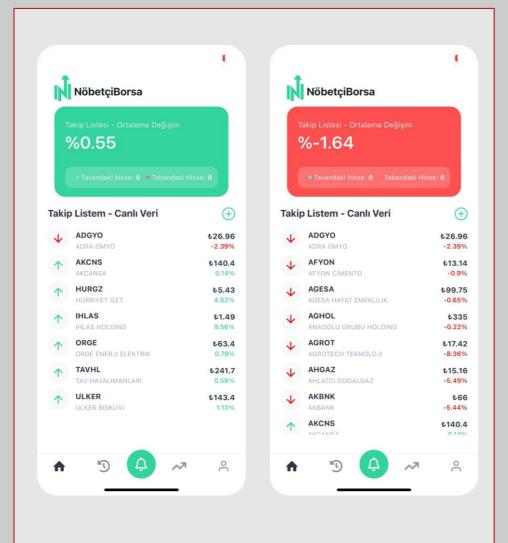


Figure 3 – Finished Product



