

Crypto Currency Tracking Web Service Design

Muslim Bayemirov, Serzhan Kenesbek, Batyikhan Ibragimov

September 30, 2023

1 Introduction

The cryptocurrency tracking web application provides users with real-time information about cryptocurrencies. It enables users to save and remove their preferred cryptocurrencies for effective portfolio management.

2 ER Diagram

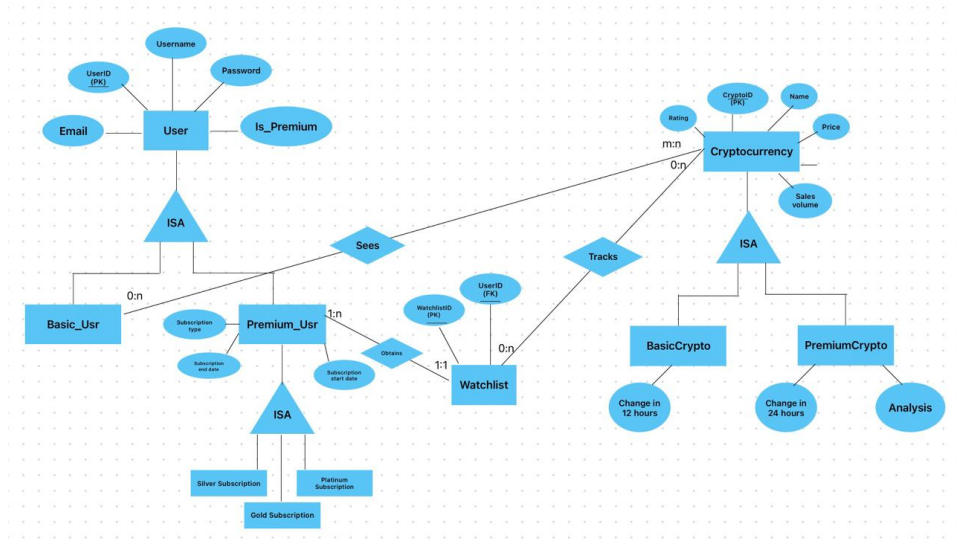


Figure 1: ER Diagram of the Crypto Currency Tracking Web Service

3 User Interaction

Users interact with the system through the following actions:

- **Registration and Login:** Users create accounts and log in using their credentials.
- **View Cryptocurrency Listings:** Users browse and search for cryptocurrencies, accessing real-time data.
- **Save Cryptocurrencies:** Users add cryptocurrencies to their watchlist for easy tracking.
- **Remove Cryptocurrencies:** Users remove cryptocurrencies from their watchlist.
- **Real-time Updates:** The app provides real-time cryptocurrency prices in multiple currencies (euros, dollars, etc.) and market data updates.
- **User Profiles:** Users manage personal information and notification preferences.
- **Security:** The system ensures data security through input validation, authentication, and authorization.

4 Conclusion

The cryptocurrency tracking web service offers a user-friendly platform for individuals to stay informed about cryptocurrency market trends and manage their crypto portfolios efficiently.