Crypto Tracker

It helps people that are interested in tracking crypto-currencies in real time.

CRYPTO TRACKER

Reason for Creating the App

One of the reasons that I wanted to create this app was because I wanted to actively monitor the price of several bitcoins at the same time. I would like to add more features in the future by having the option to use different cryptocurrencies, and I would also like to add a feature of predictive analytics to help customers make informed decisions.

The App

01 This app tracks 4 different cryptocurrencies in real-time. It updates every 30 seconds to show changes in prices. Primarily showed in USD.

02 I got the data through an API called CoinGecko. You can get more information through this API, such as what was the highest price that day and other information.
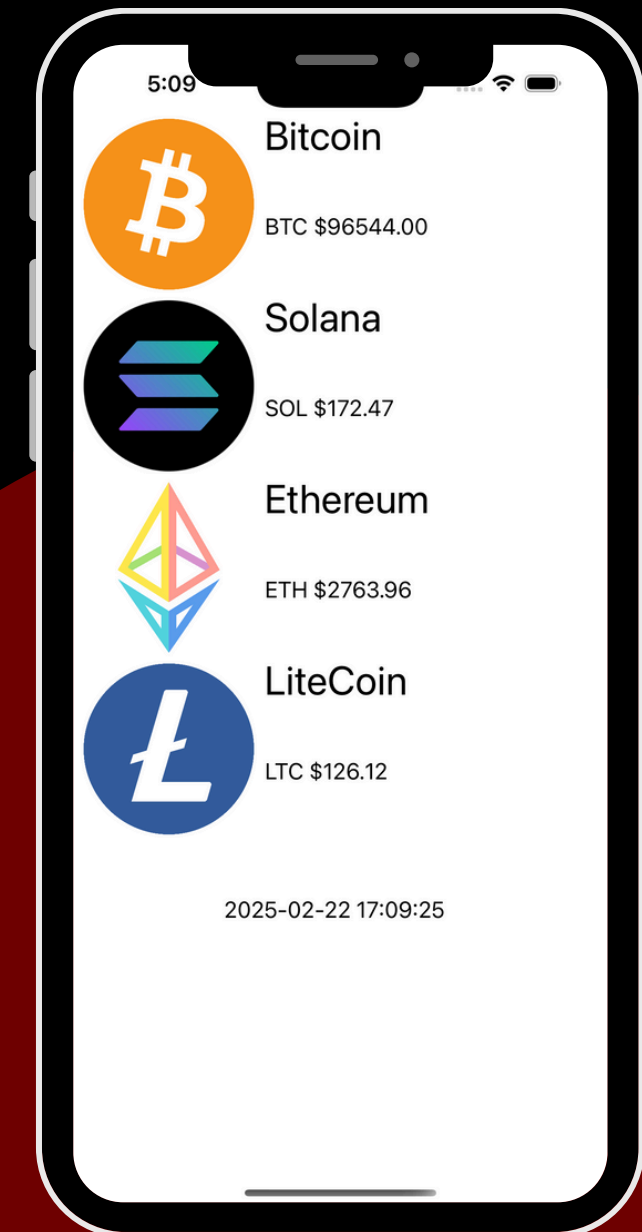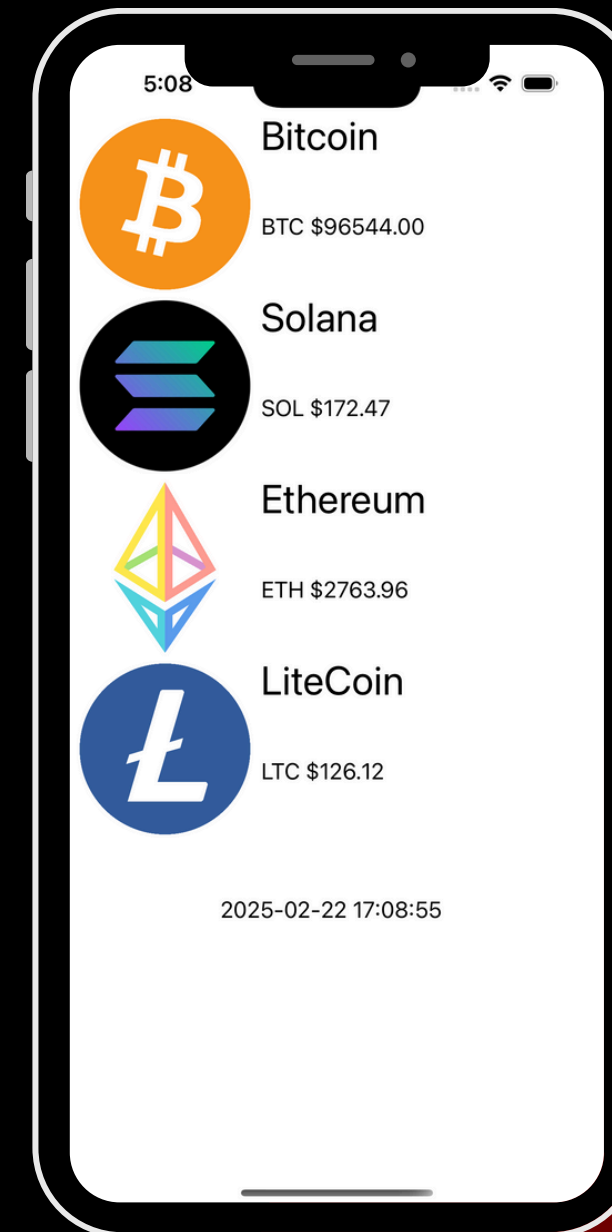
03 The API not only tracks these cryptocurrencies; it can also track others. I used Bitcoin, Solana, Ethereum, and Litecoin because these are the ones that I pay attention to.

04 I was trying to refresh the data into a shorter time interval. The API wouldn't let me do this because I would have to pay more for more calls back to the API. 30 seconds was the shortest I could do, while the app is still running and not getting errors from the API.

5:08

Bitcoin
BTC $96544.00

Solana
SOL $172.47

Ethereum
ETH $2763.96

LiteCoin
LTC $126.12

2025-02-22 17:08:55

5:09

Bitcoin
BTC $96544.00

Solana
SOL $172.47

Ethereum
ETH $2763.96

LiteCoin
LTC $126.12

2025-02-22 17:09:25

How did I create this app?

Development

I first started off by trying to find an API that would give the information that I was looking for. I wanted to do this without spending much money. Luckily, I was able to use the free version of CoinGecko, which had limits on the calls per minute and monthly. This is the main reason why I couldn't make the refresh time interval smaller.

StoryBoard

I was able to use knowledge from previous courses to create the storyboard. I was also able to get the information from the API display onto the storyboard and app while running.

Review and Resources

- https://www.youtube.com/watch?v=5O-8pGoRjoO&list=PLnQbggnVfvo0Nq8NewMBjd2J8NZdBxt0y&index=25

This is the YouTube video that I have used to get the idea of creating this CryptoTracker app and using the same API. I didn't follow it exactly because I wanted to add my own personal touch to this project.