[redacted]

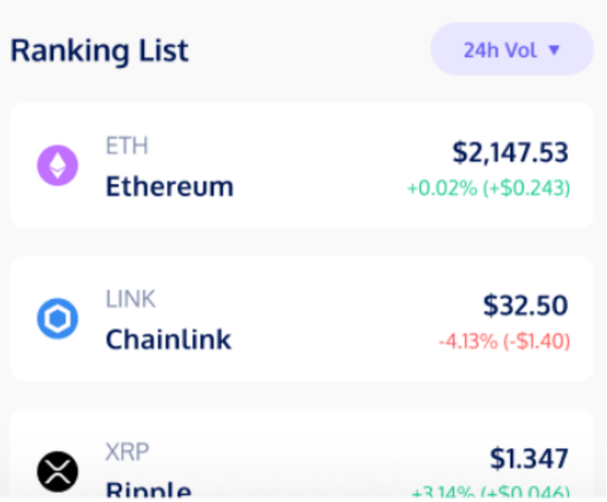
Goal : A native iOS application which is using this api : https://psp-merchantpanel-service-sandbox.ozanodeme.com.tr/api/v1/dummy/coins
.

The application shows the currency list and currency detail page.The application must have 2 screens : Home page and detail page

Home page

The home page, which lists the all crypto-curriencies, items retrieved from the web service in a list format

- User should see all currencies with formatted price in a tableview
- User can apply some sort filter like : price, marketCap, 24h Volume, change, listedAt
- UI is unnecessary but a sample image is added to challenge. It can be referrenced.



Ranking List

24h Vol ▾

ETH
Ethereum
$2,147.53
+0.02% (+$0.243)

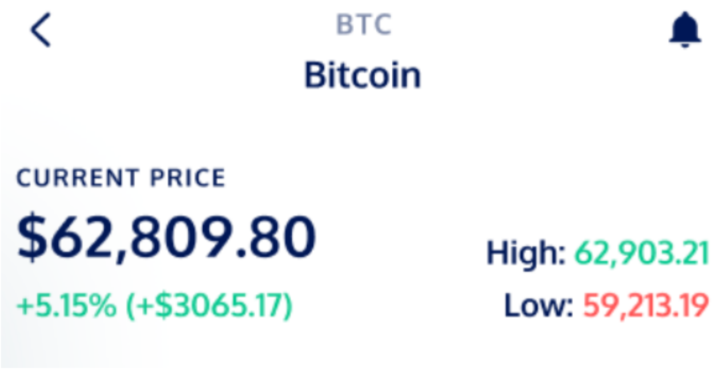
LINK
Chainlink
$32.50
-4.13% (-$1.40)

XRP
Ripple
$1.347
+3.14% (+$0.046)

Detail Page

- It should show details of the currency also this page should have an historical values for the currency. Timestamps and prices should be formatted.
- And also name, rank, symbol, changeRate,high-low values should be visible on detail page.
- UI is unnecessary for the historical values. (Graph UI with line and candle stick is a plus)

  It can be a simple table view with labels.



BTC

Bitcoin

CURRENT PRICE

$62,809.80

+5.15% (+$3065.17)

High: 62,903.21

Low: 59,213.19

General Rules

- Use Git and do WIP commits so we can see your process
- We expect you to use modern methods, design patterns and best-practices when developing the app.
- The app can be developed with Swift. UI part can be done with UIKit or UIKit + SwiftUI if you like. But, please do not develop only with SwiftUI.
- You should pay attention to details. All the edge cases and errors should be properly handled.
- You should think of this a serious project that will be maintained for years, and design your architecture accordingly, thinking about maintainability, extendibility, understandability and performance.
- Please provide documentation for your code. Tell us what decisions you have had. (for example: Which architecture you preferred. Which design pattern you used. etc..)
- Providing unit tests is optional, but if it is written, it will return as extra points

Documentation

A few tips to help you documenting your code.

- How did you decide to use that design and architectural patterns?
- What should be the part of this app that needs more time to develop or improve?
- Does this app ready to submit to store? If not, what should be done to achieve that?
- Any assumptions/comments/notes about any particular decision?
- What are the things you think are missing or open in this assignment?
- Does your project require any particular tool to be able to run?