

# iOS TECHNICAL CHALLENGE 3 days

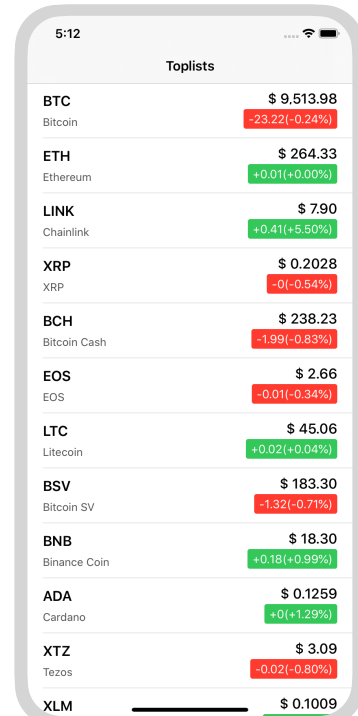


Thank you for your interest to work with us. For this project you will build an app that displays a list of most active cryptocurrencies from an API as shown in the image on the right. You have three days to complete this challenge from when you first open this document.

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## THE APP MUST BE ABLE TO

- Display a list of at least 50 tickers shown in Image 1
  - Get its data from the [Toplists API](#)
- Display news related to the currency selected upon tapping a cell as shown in Image 2
  - Get its data from the [News API](#)
- Show live price updates using Web Socket Extra points
  - Get its data from this [Web Socket API](#).
  - You need to register a free account to get an API key for the Web Socket
    - This is NOT required for the News or Toplists API
    - Be sure to select the “Read All Price Streaming and Polling Endpoints” checklist when creating an API key to set it up properly
- Pull to refresh from the Toplist
- Show the correct ticker color e.g. green when the price increases and red for the opposite
- Handle network errors



You may use a third-party library to make network requests, handle web socket and to parse its data. But you may not use any third-party libraries for UI

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## AREAS WE WILL EVALUATE

- Attention to detail in the UI and app stability
- Scrolling performance
- Understandable class and variable naming
- Project structure
- Cleanliness (absence of unused code and consisted formatting)
- Separation of concern
- Unit Testing

## SUBMISSION

Upon completing your test project, **please include a README file** which contains a description of your solution and what else you could have done with more time.

**Please do not upload your test project into a public repository.** Instead, add your project and README into a folder, **compress it and email it to your point of contact.**

If you have any questions, please do not hesitate to reach out to us. If you need more time, feel free to let us know.

