

Interview Programming Stage: iOS Senior Developer

The Task

The goal of this assignment is to allow you to demonstrate your programming skills and to help us understand your approach when developing a mobile application.

We would like you to implement a tab bar application that displays FX related articles and market information.

- First tab should be a master/details to load a list of articles and presents the details of the article on selection. API - <https://content.dailyfx.com/api/v1/dashboard>
- Second tab should load a list of markets: API - <https://content.dailyfx.com/api/v1/markets>

Please use the specified endpoints to fetch the data for each tab.

Do not spend more than four hours on the assignment.

Requirements

- Please use the latest stable Xcode + Swift
- Deployment target is iOS 13+
- Avoid use of any third-party libraries. We would prefer to see a vanilla approach so we can see you understand the underlying concepts. We are open to using third party libraries at IG, but for the purposes of this test, please avoid doing so.
- Please ensure your app includes tests

What we are looking for:

- Elegance, simplicity and maintainability of your code.
- Code consistency. Please refer to a community-maintained style guide if you are not sure (eg: Github: <https://github.com/github/swift-style-guide>, Ray Wenderlich: <https://github.com/raywenderlich/swift-style-guide>).
- A clear architecture, separate of concerns and adherence to iOS design patterns
- Knowledge of the iOS human interface guidelines
- Appropriate application of relevant native iOS frameworks (Foundation, UIKit)
- Good code coverage with unit tests

When you're done:

Please provide the zipped file or share with us link to your public repo either on Github or BitBucket.