

Objective: Develop a sample Classifieds iOS app in Swift using XCode.

The UI decisions are at your liberty as long as the elements of aesthetics, information and attention to detail are present.

Product requirements

1. Fetch data from a back-end endpoint with a GET request:

<https://ey3f2y0nre.execute-api.us-east-1.amazonaws.com/default/dynamodb-writer>

The endpoint does not require any authentication to return a response.

The endpoint will return a JSON response representing a list of listings, to be used as a datasource for the list of listings (see point 2 below).

2. The app should display a list of listings. This screen should be the homepage of the app.
3. Clicking on a listing in the list should open a new screen to display the details of that listing.

Technical requirements

4. Use VIPER or MVVM architecture
5. The app has automated tests: Unit, Integration, UI.
6. The app can be compiled using XCode 12.
7. Class and method names should clearly show their intent and responsibility.
8. Apply "SOLID" Principles and design pattern.
9. Your software should easily accommodate possible future requirement changes

Bonus points for

10. Implement an image caching mechanism by creating your own framework that is used by the app in both screens. Design the framework in a way that the image caching framework can be reused in other applications.
11. The app has one screen written in Objective-C.

Please build this app in the same way you would write code for a production app. Show us the best you can do. Our engineers will assess this project by evaluating different elements such as meeting requirements, as well as code quality.

Upon completion, please send the git repository link to the recruiting team.