

iOS Assignment Task

Please implement an app that fetches pictures from this free API

(<https://restcountries.eu/rest/v2/regionalbloc/eu>) and displays them (country name is enough for us) in a scrollable view (no pagination needed).

The API documentation is here: <https://restcountries.eu/#api-endpoints-all>.

Please implement search in fetched data (no need to use search api), making sure that countries will be fetched and do local search on this long data list..

Pages Design are below.

Your main focus should be on a highly performant app (smooth scrolling & lag-free UI)

As we use **Swift** as the main language in our application, we **strongly recommend using it in the assignment**.

Some libraries that we highly recommend using:

- [Moya](#)
- [PromiseKit](#)

Some libraries that we would like to see being used:

- [Clean Architecture](#)
- [SwiftLint](#)

App Scenario

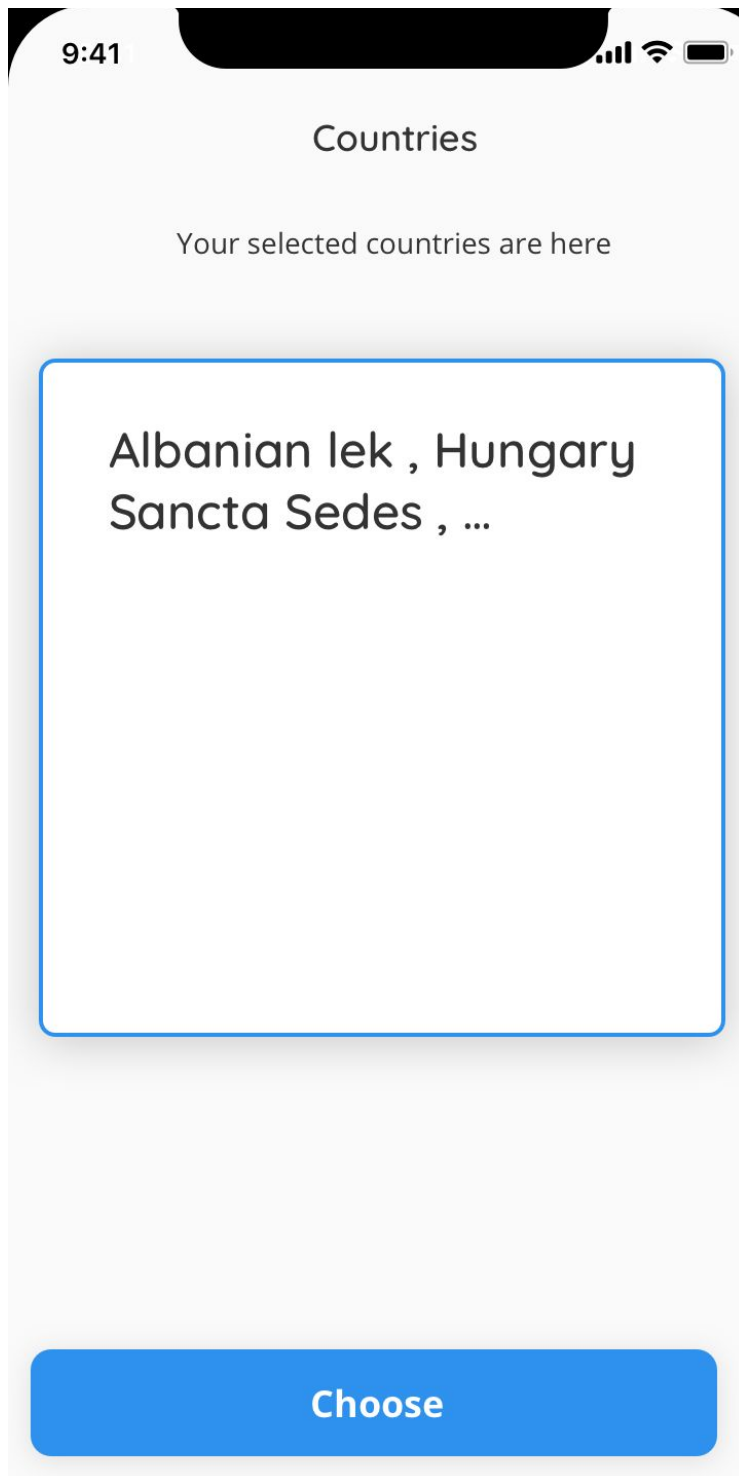
Users should be able to click on the choose button and navigate to countries page.

In countries page users can select multiple items and click on the button “**Done**” . when the user returns to the main page must see all selections from the previous page.

Users should be able to toggle between selected and select by clicking.

Also feel free to use similar fonts, colors and spaces.

Pages Design



9:41



Select Country



Search for countries

Albanian lek

Added

Bartender

Add

Hungary

Added

Sancta Sedes

Added

Food Server

Add

Done

How we review

Your application will be reviewed by at least three of our engineers. We do take into consideration your experience level.

We value quality over feature-completeness. The goal of this code sample is to help us identify what you consider production-ready code. You should consider this code ready for final review with your colleague, i.e. this would be the last step before deploying to production.

The aspects of your code we will assess include:

- Architecture / pattern usage: how clean is the separation between the front-end and the back-end?
- Solid and dry principles
- Code quality: is the code simple, easy to understand, and maintainable? Is there any code smell or other red flags? Does the object-oriented code follow principles such as the single responsibility principle? Is the coding style consistent with the language's guidelines? Is it consistent throughout the codebase?
- Security: are there any obvious vulnerability?
- Technical choices: do choices of libraries, databases, architecture etc. seem appropriate for the chosen application?
- We love unit tests but we know that usually there is no time to test the app totally so please just write some tests
- The app shouldn't crash

At the end, please set up a public repository and push your stable project on it, so we can review your code.

An average of 5 - 7 days seems sufficient to complete this assignment. Please reply to confirm your availability to complete the assignment. If you have any further questions do not hesitate to contact me.

Best regards,

Farzad Rouhani

iOS Team Lead