

# Lyst - iOS Hiring Test 2020

Dear candidate,

Find below a simple coding problem we would like you to solve. The goal is to understand your knowledge in these areas:

- Knowledge of the iOS ecosystem.
- Handling multithreaded environments/synchronisation.
- Memory management.
- Code structure and software design patterns.
- Knowledge of existing code libraries/frameworks.
- 3rd party dependencies management
- UI layout techniques and animations.
- Make sure your code is testable.
- Implementing clean and well structured code. Good practices.
- Tests are not mandatory but are definitely a plus. If you don't implement tests, we would like to know what you have done in order to make your code easy to test.

## Task

Cats API <https://thecatapi.com/> or Dogs API (<https://thedogapi.com>)

Build an app that allows the user to search for cats (or dogs), present the results and allows them to find out more about a specific Cat (or Dog).

The app should display some attributes at minimum:

- Image
- Name

and some other attributes, for example:

- Temperament
- Wikipedia url
- Energy level

You are free to use frameworks. There are frameworks for everything nowadays. Use them with caution, keep in mind we want to see your own code. Use them where you find them useful.

A README.md is encouraged to

- Explain your approaches

- Limitations
- Know problem and propose solutions if you have time to improve in the future

The app must support iOS 12 or above and be written in Swift 5.

## Guidelines

- Spend as much or as little time as you would like (we believe around 4 hours should be enough, e.g. over a weekend)
- Send us your code as a zip file over email or link to a private Git repository
- Do not include your name in the source code (we will give it an ID)