**Code Test:**

Before the next phase of the interview process, we would like to have a sample project that demonstrates your abilities. This will be used to judge the quality of your work as well as provide a basis so we can have a conversation around an application we are both familiar with. This "Code Test" will ask you to demonstrate:

- Application architecture

- Constructing a networking layer

- Handling async tasks

- Bonus: Persist data for offline use.

We're looking to judge your work. If you have an existing project that demonstrates these requirements where you were the sole contributor (outside of using third party libraries) and have a requirement document, you may submit that project with the requirements document and we can use that. If you'd like a fresh project here is an example below:

**Mars Photos (Pinterest-Style)**

NASA Provides an API for obtaining images of Mars from the various rovers on the planet. These images can be obtained from: <https://api.nasa.gov/api.html#MarsPhotos>

1) Create an application that fetches the images from the API documented here <https://api.nasa.gov/api.html#MarsPhotos>

\* You can be as specific (one rover and one hardcoded request) or creative (user selects options) as you want.

2) Display the resulting images on the screen with a meaningful title.

\* You can model this off of the Pinterest app for an example cell. You don't need to clone their UI exactly; all of the images can be the same size. Use your best judgement.

**Bonus:** Persist the data for offline use

**Other requirements:**

1. Feel free to use third party libraries
2. Cover your logic with unit tests as much as you can.
3. Demonstrate RxSwift knowledge is strongly recommended!
4. If anything is required outside of opening Xcode and hitting play please include a getting started guide

\* This includes startup commands for Cocoapods or Carthage

1. This should be able to be done in an afternoon please time box yourself to that.
2. This should be submitted through Git and the link to the repo provided through your recruiter.