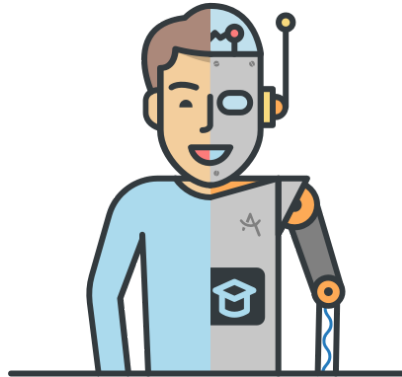


# Code Challenge Lead iOS Engineer



## Random User Code Test

### Task description

You are working for a company showing random users information (RandomUser Inc.). As a good company based on random users data they want to show random information about random users. Your task for this code test is to design an iOS application with these requirements:

- Fetch the list of random users from [API](#).

<https://my-json-server.typicode.com/Karumi/codetestdata/users>

- Show a list of random users with this information:
  - User first and last name.
  - User City.
  - User Avatar.
  - User Background.
- Add interaction to delete users. If you press that button, your user will not be shown anymore in your user list. Even if the user is part of a new server side response.
- If you press the user picture you have to show another view with the user detailed information:
  - User gender.
  - User first and last name,
  - User City.
  - User email.
  - User Description.

- User Avatar.

\* Feel free to use any UI design you like. We will consider the usage of animations, motion layout and shared element transitions as a valuable skill.

\* Try to solve this code test like a real life project. Think in the architecture and design of your model and try to implement it as modular as possible. The quality of the code is fundamental.

## API Description

You can obtain a list of random users in this url: <https://my-json-server.typicode.com/Karumi/codetestdata/users> The API response contains information in JSON with this format:

```
[
  {
    "id": "6161739c-1335-43e3-945b-e9c32e25e4f1",
    "first_name": "Giffard",
    "last_name": "Giacomuzzi",
    "email": "ggiacomuzzi0@gov.uk",
    "gender": "Male",
    "ip_address": "174.193.154.100",
    "avatar":
    "https://robohash.org/evenietundehic.png?size=50x50&set=set1",
    "city": "La Esperanza",
    "background": "https://source.unsplash.com/random",
    "description": "In hac habitasse platea dictumst. Morbi
vestibulum, velit id pretium iaculis, diam erat fermentum justo, nec
condimentum neque sapien placerat ante. Nulla justo.\n\nAliquam quis
turpis eget elit sodales scelerisque. Mauris sit amet eros.
Suspendisse accumsan tortor quis turpis.\n\nSed ante. Vivamus tortor.
Duis mattis egestas metus."
  },
  {
    "id": "01149269-63a4-47ea-8418-480a3814da8a",
    "first_name": "Tades",
    "last_name": "Placstone",
    "email": "tplacstone1@weather.com",
    "gender": "Male",
    "ip_address": "68.41.200.50",
    "avatar":
    "https://robohash.org/ipsaquivoluptas.jpg?size=50x50&set=set1",
```

```
    "city": "Kol'chugino",
    "background": "https://source.unsplash.com/random",
    "description": "Vestibulum quam sapien, varius ut, blandit non,
interdum in, ante. Vestibulum ante ipsum primis in faucibus orci
luctus et ultrices posuere cubilia Curae; Duis faucibus accumsan
odio. Curabitur convallis.\n\nDuis consequat dui nec nisi volutpat
eleifend. Donec ut dolor. Morbi vel lectus in quam fringilla
rhoncus."
  },
  ...
]
```

## What we look at

- We are also interested in how you structure your code so that it's easily extendable, complies with best software design practices, patterns, and architecture so your code is easy to modify/understand by others.
- We are going to pay special attention to your tests. Please, write them carefully and stay focused on the most important parts of your application. Don't be afraid of using different test types. You can upload your code test to GitHub/Bitbucket and configure Travis-CI, GitHub Action or Circle-CI as a continuous integration tool.

## Hand-in

Hand in your solution along with any notes, comments, and assumptions you have made while working on the solution via email to [jobs@aplazame.com](mailto:jobs@aplazame.com)

Attach all files included in your solution bundled into a ZIP file with a local Git repository inside, publish it into GitHub or invite us (**dev-aplazame**) to the GitHub repository. Remember to use descriptive commit messages.

Maximum amount of time allowed to complete the challenge: five days.