

# GO-JEK iOS Problem Statement

## Acceptance Criteria

Your selection chances are higher if

- You use the latest version of Swift
- You adhere to Apple's Human Interface Guidelines and coding conventions
- Your app performs well in terms of CPU, memory and energy usage
- Your code is loosely coupled, testable and uses an architecture similar to VIPER, MVVM, MVP, etc.
- You tastefully customise the UI and add animations etc.
- Your app does not have too many dependencies on third party frameworks

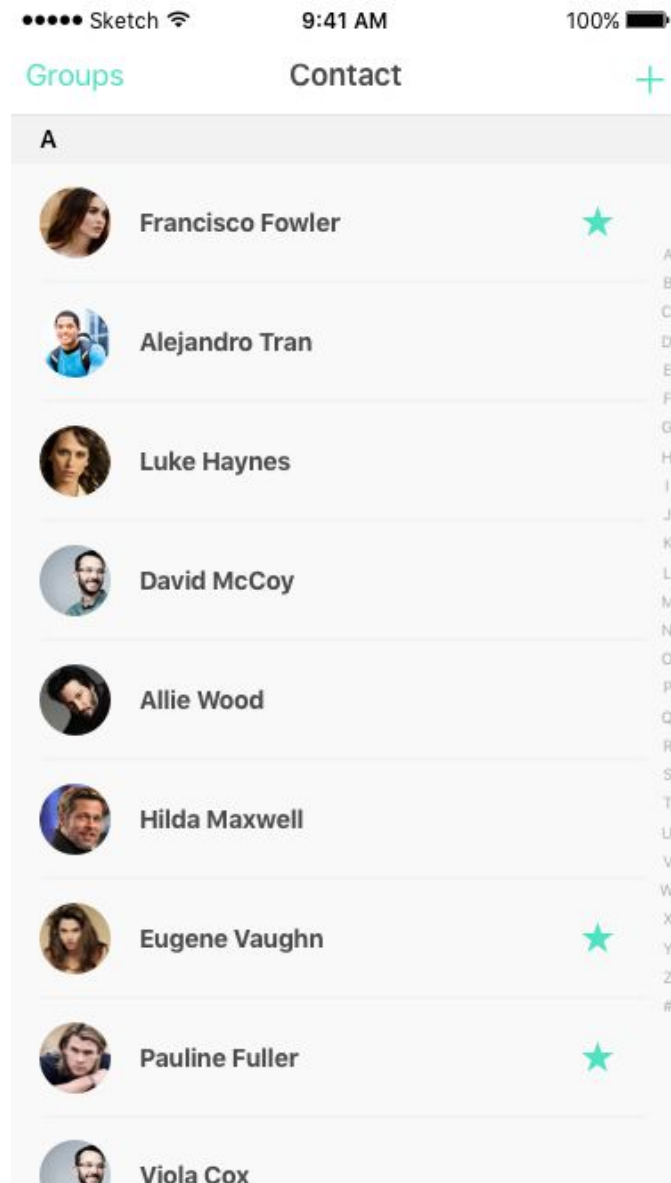
We may reject your application if

- Your project fails to compile or compiles with warnings with the current version of Xcode
- Your app does not layout correctly for all iOS devices that can run the current release of iOS
- Your app has UI/logical flaws that make it difficult to use
- You do not have UI and unit tests in your application with decent code coverage
- Your UI/unit tests fail

## Your Assignment – A Contacts App

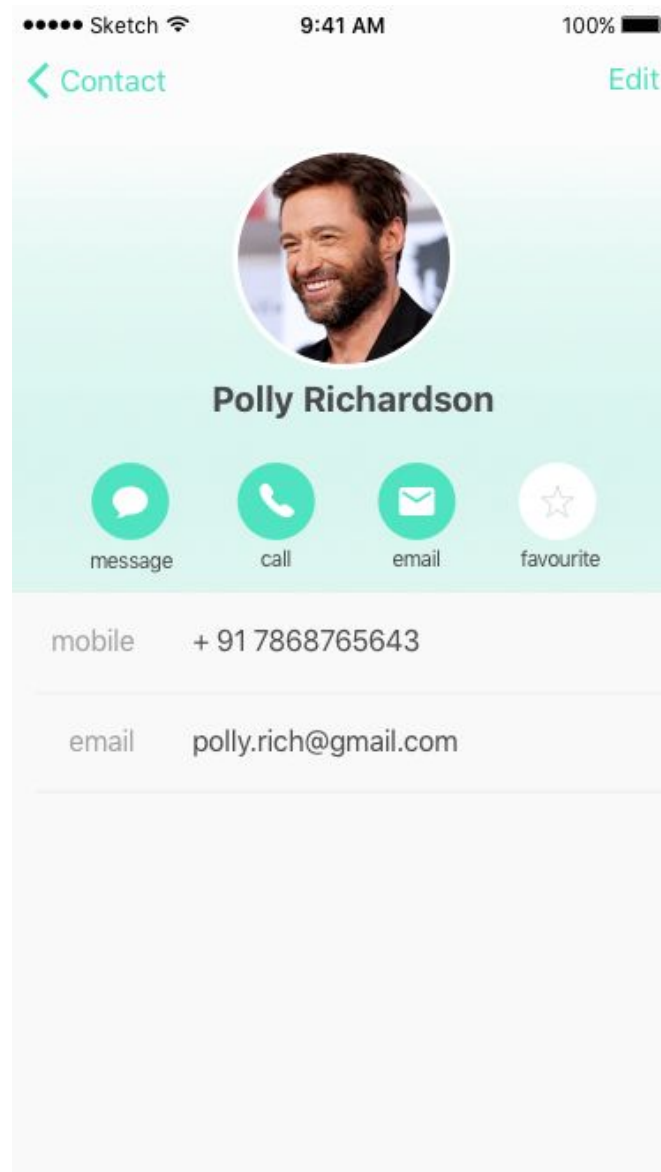
As an assignment, you will be creating an app similar to the iOS Contacts app but with a much smaller feature set. The screens and features are described in the following sections.

## Home Screen



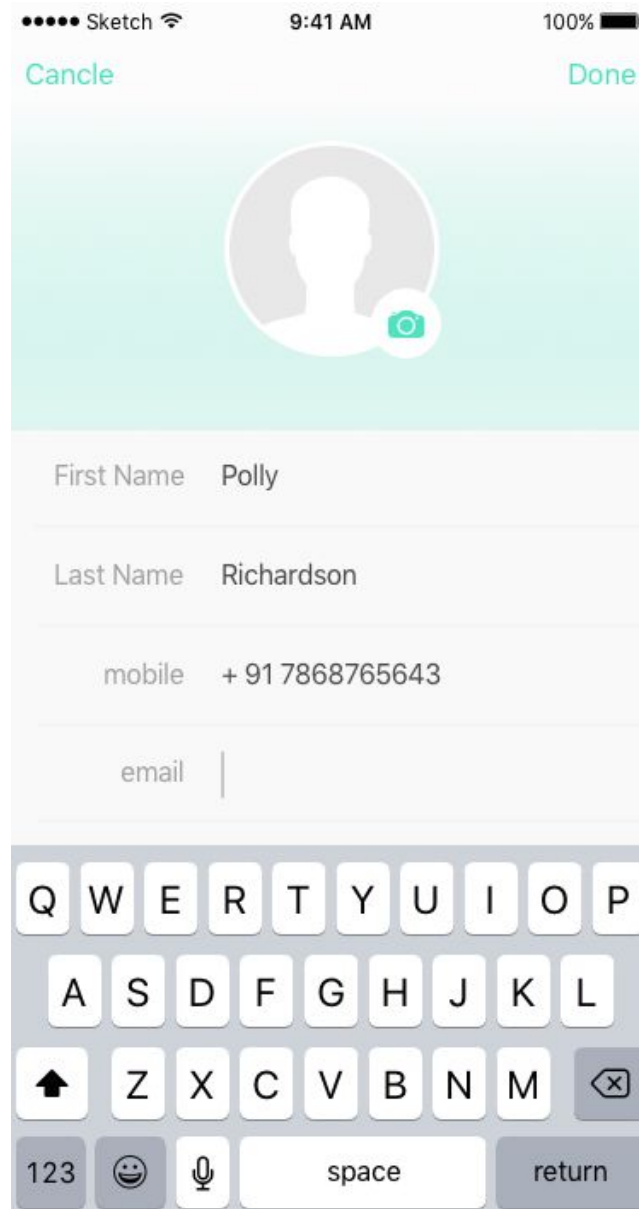
This screen lists all available contacts in the app along with their photo. The contacts are fetched from the backend. Along with the list of contacts, it shows which contacts are marked favourite.

## Contact Detail Screen



Tapping on a contact in the home screen leads you to the Contact Detail screen. This screen shows the details of the contact such as their phone number, name, image, email address etc. You can call, message and email a contact from this screen as well as mark/unmark them as a favourite.

## Edit Contact Screen

A mockup of an 'Edit Contact' screen on a mobile device. The status bar at the top shows 'Sketch' with signal strength dots, '9:41 AM', and '100%' battery. The screen has a light teal background. At the top, there are 'Cancel' and 'Done' buttons in teal. Below them is a large circular profile picture placeholder with a white silhouette and a small teal camera icon in the bottom right. Under the photo are four input fields: 'First Name' with the text 'Polly', 'Last Name' with 'Richardson', 'mobile' with '+ 91 7868765643', and 'email' which is empty. A standard iOS-style keyboard is visible at the bottom.

Tapping on the contact button in the Contact Detail screen leads you to this screen. You can edit all fields of the contact in this screen including the contact's photo. Saving the contact's information should also save it on the backend.

## Add Contact Screen

This screen looks similar to the Edit Contact screen. Tapping on the Add button in the Home screen leads you to the Add Contact screen. Here you can add a new contact to the database along with its phone number, email address, photo, etc. All fields of the new contact are mandatory in this screen.

## Backend API

The backend is a RESTful application developed in Rails:

- **API base URL:** <http://gojek-contacts-app.herokuapp.com>
- **Documentation:** <http://gojek-contacts-app.herokuapp.com/apipie/1.0/contacts>
- **Source code:** <https://github.com/anagri/contacts-server>
- **Postman Collection:**  
[https://docs.google.com/document/d/1SroU6qiqkTTaON\\_5N3tl0p29ubrhcODB\\_LnqoYfMqRM/edit?usp=sharing](https://docs.google.com/document/d/1SroU6qiqkTTaON_5N3tl0p29ubrhcODB_LnqoYfMqRM/edit?usp=sharing)

## Other Notes

- We expect you to use *git* and commit frequently
- You should submit your solution to us as a zip archive
- The zip archive should also include your *git* commit history
- Please use system fonts everywhere. It's not important to match the font size with the design, but you can infer the sizes from the designs

Please feel free to reach out to us in case of any queries related to the backend or the design. *Wish you all the best!*

Design Guidelines

