Kin + Carta React Native Programming Challenge

This programming challenge will be used to assess your skill level and problem-solving abilities. We are looking for clean, expressive code that follows object-oriented principles and software development best practices. You will be graded on the architecture and code design of your app as well as your ability to write meaningful unit tests.

Create a React Native app that fetches JSON from the URL below and displays the results as shown in the screenshots on the next page. Your app should match the layout and formatting in the screenshots as closely as possible and run in both iOS and Android environments. (Colors and fonts do not need to be exact.) Please use the image assets provided.

URL: https://s3.amazonaws.com/technical-challenge/v3/contacts.json

Contacts ListView

➔ The contacts should be grouped into two sections: Favorite Contacts and Other Contacts. Within each section they should be sorted alphabetically by name.
➔ Each View should display the associated contact's small image. Use the included small placeholder image when appropriate.
➔ If a contact is a favorite display a star emoji (⭐) in front of their name.
➔ Tapping on a contact should take the user to the detail page for that contact.

Contact Detail View

➔ Display the contact's large image on this page. Use the included large placeholder image when appropriate.
➔ If the contact does not have a particular piece of information, that row should not appear on their detail page.
➔ In the top right corner display a button that allows the user to favorite and unfavorite a contact. Use the "Favorite True" and "Favorite False" assets provided.
➔ When the user favorites or unfavorites a contact, the home page should be updated to reflect that change.

Other Notes

➔ Your app only needs to support portrait orientation on a phone, but it should scale properly to different sized screens. You do not need to support landscape orientation or tablet devices.
➔ You do not need to persist the data between sessions.
➔ Use any third party frameworks you're comfortable including in your project, but please do not use any libraries which don't showcase your ability to work within the React Native framework. We want to see that you can work well with the React Native framework.
➔ Use the latest version of React Native.
➔ You only need to support the latest versions of XCode and Android Studio.
➔ When you send your project back to your K+C recruiter, please outline the steps necessary to build, run, and test your project.
➔ You may use either JavaScript or TypeScript to complete this challenge. Code to the strengths of the language you select.

KIN+CARTA

Screenshots

Contacts

FAVORITE CONTACTS

⭐ **Bernard Laboy**
Century 21 Keewaydin Prop

⭐ **Cruz Roudabush**
Meridian Products

⭐ **Rosemarie Fifield**

⭐ **Sue Haakinson**
Kim Peacock Beringhause

OTHER CONTACTS

Ashley Leonesio

Billie Tinnes
D & M Plywood Inc

Carla Humble
Cornhusker Press

Cristina Sharper
Albers Technologies Corp

‹ Contacts ⭐

Cruz Roudabush
Meridian Products

PHONE:
(907) 345-1215   Home

PHONE:
(650) 345-1220   Mobile

PHONE:
(907) 345-0962   Work

ADDRESS:
815 S Glendora Ave
Los Angeles, CA 91790, US

BIRTHDATE:
December 4, 1980

EMAIL:
Cruz.Roudabush@solstice.com