Front End Developer

Home assignment

2022

Task

Develop a contact list application. Use React or preferably React Native to implement the following features:

- Use https://randomuser.me to get initial user data via Rest API

- Display contact list with details: picture, name, phone number, e-mail

- Display every letter (uniquely) from the contacts, display them and make filtering possible: when a user clicks on a letter display only those contacts whose name starts with the letter

- Implement searching capabilities

- Implement routing that, by clicking on a contact card, allows to navigate to a subpage of the contact based on its ID property. *In case of React* application use URL parameters (example: application.url/contact/:id)*in case of React Native* pass the ID to the navigator. On the specific contact page display picture, email, phone, address

- Allow the user to edit, delete and add contact with a form. Only implement it for local state, uploading picture and saving is not a requirement

- Create field validation for the input fields. You can use library for it.

- Create transition effects wherever possible – including changing views, navigating in the application. Stay consistent!

- *In case of React application* make sure the app is responsive and looks good on every screensize. It's a plus if you use Bootstrap or any other CSS framework to structure the application

- Comment your code

Requirements

The assignment's goal is to see how you can structure, organize and use the React/React Native-provided features in your code.

- Use the attached sample images as reference when creating the wireframe

- The web application should run in a local development server

- You can make minor modifications to the application's wireframe, but it has to look as much as it can like the reference image both from a layout and a colour scheme standpoint

- Please, share **the whole project** folder preferably with link to Github, Gitlab or Bitbucket
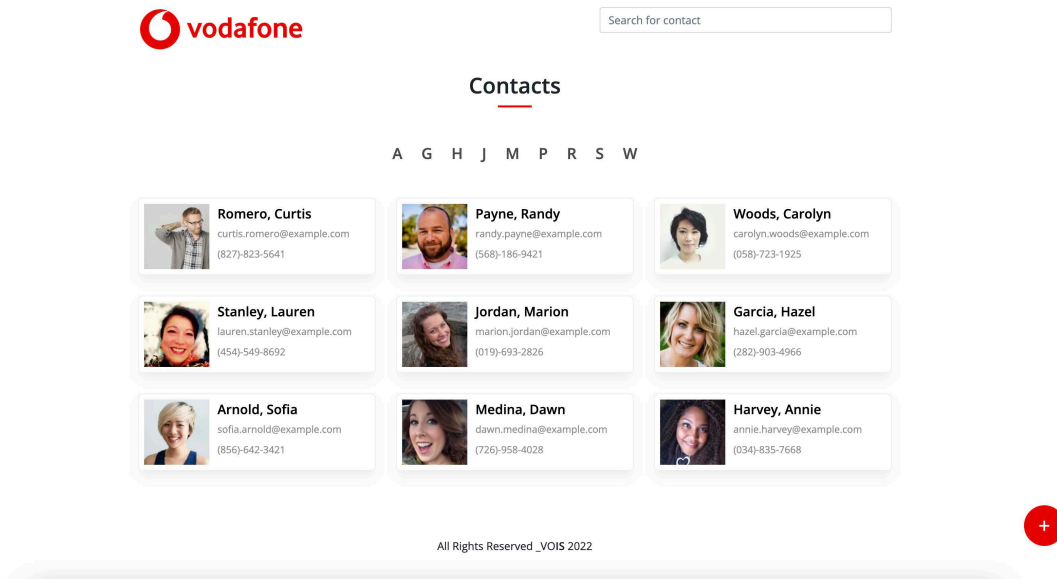
Bonus task:

- Write unit tests for the application

React example: (additional images provided in images/React folder)

React Native example: (additional images provided in images/React Native folder)