

# Front-End Challenge:

## Create a “View my Contacts” Webapp:

The web application will consist of a **Contacts** page, which will act as the landing page, and an **About** me page.

Users should be able to navigate between these pages using the vertical navigation panel on the far left of the provided images. The active navigation item should be indicated by filling item's the background with gray (#e2e2e2).

You are allowed to use the Angular Material library: <https://material.angular.io/>

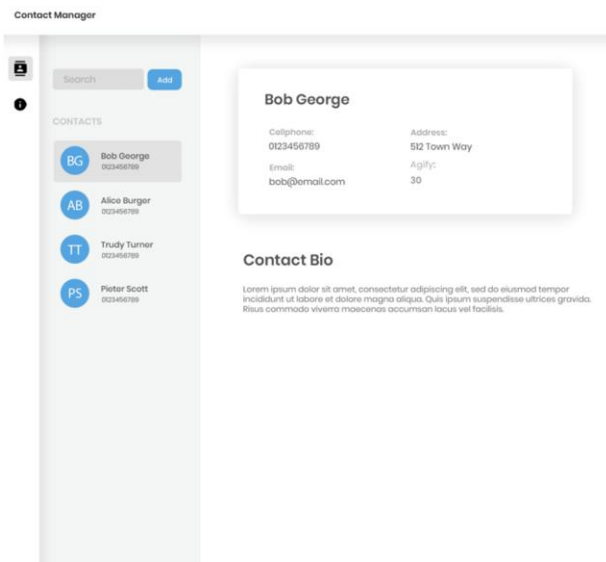


Figure 2: Contacts page (Landing page)

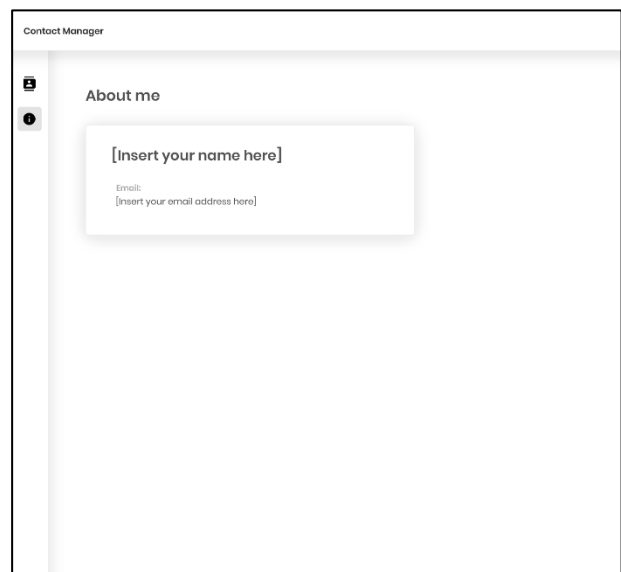
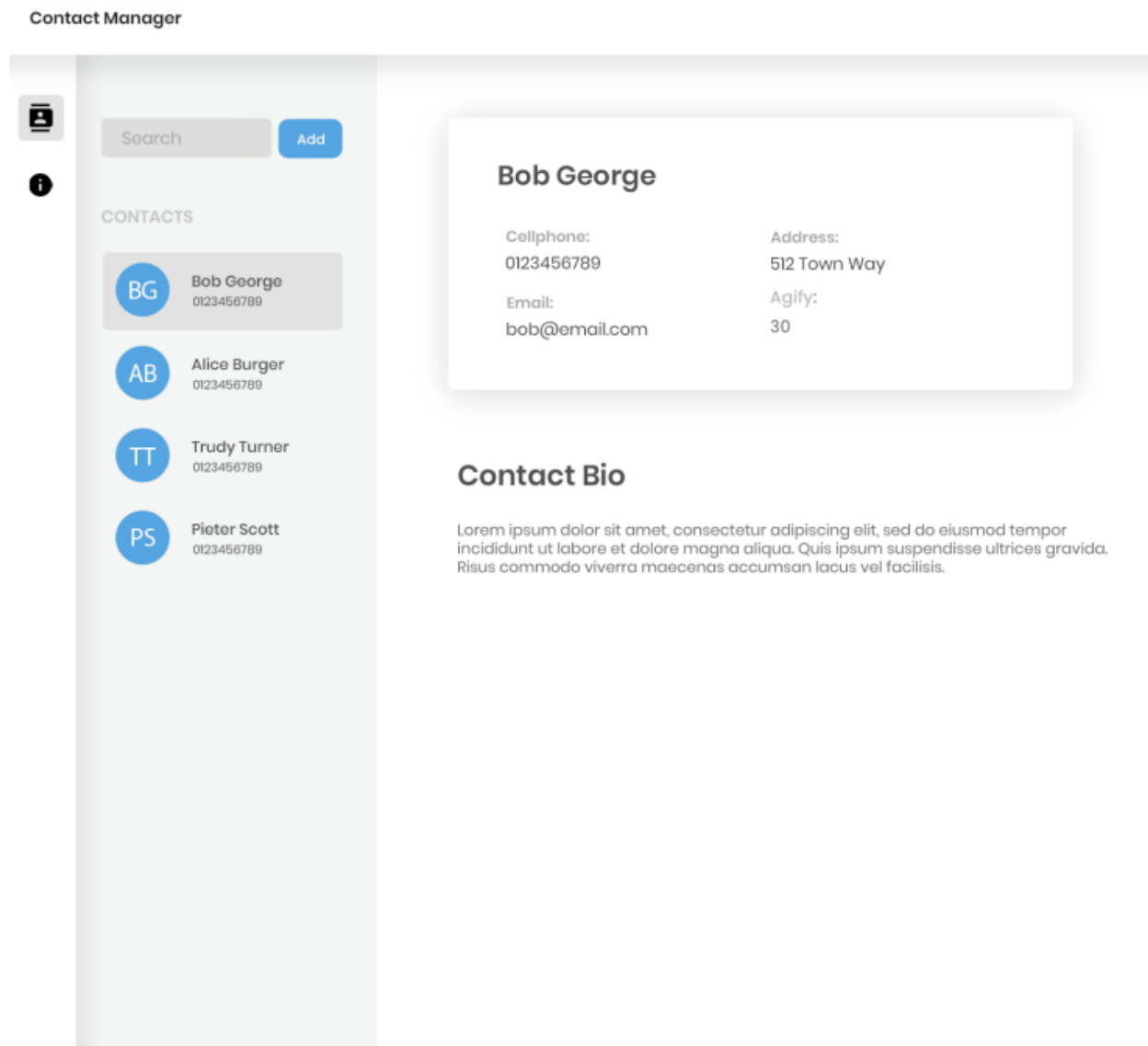


Figure 1: About me page

# Contacts Page

The **Contacts** page will look as follows:



The contacts page should meet the following criteria:

Loading the information:

- The web app should get the list of contacts from the provided “*contacts.json*” file
- The web app should display the retrieved contacts in the contact list, as shown in the provided image.
- Each contact in the contacts list should have their initials displayed in a blue (#54a4e1) circle, as shown in the provided image.

### Filtering:

- You should be able to filter the contacts using any of the following criteria:
  - First name
  - Last name
  - First name + Last name
  - Cellphone number
- The contact list should be filtered in real time as the user populates the search field.

### Selecting and displaying a contact:

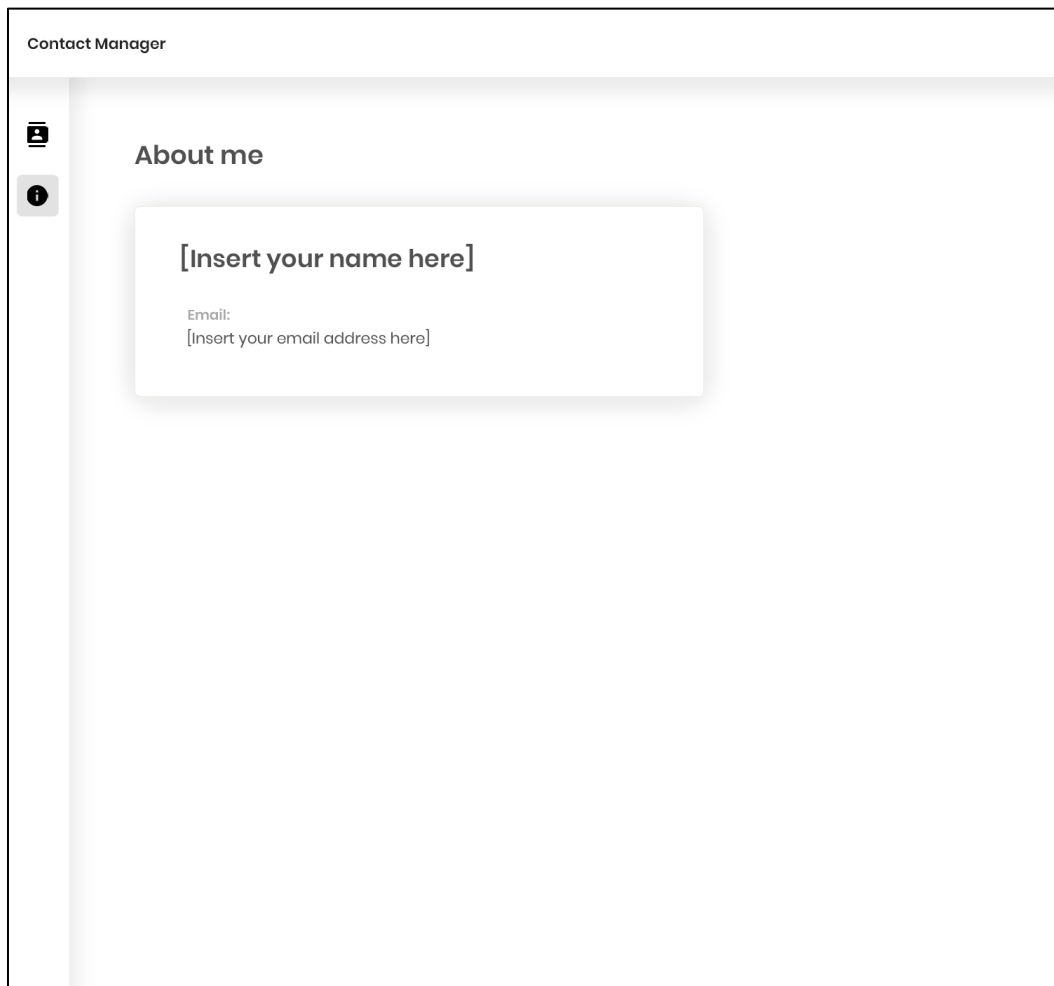
- The user should be able to select a contact via the contact list.
- The web app should render the selected contact's details to the right of the contact list, as shown in the provided image.
- Use the agify API to predict the user's age based on their first name. For example:  
<https://api.agify.io?name=john>
- Show the user's agify age in the contact details card.

### Add a Contact

- The user should be able to click on the "Add Contact" button to trigger a popup modal
- The pop-up modal will present the user with a form that contains the following fields:
  - First Name
    - Required
    - Max length of 50
  - Last Name
    - Required
    - Max length of 50
  - Cellphone number
    - numbers only – can have a leading 0
  - Address (an input field will be sufficient)
    - Required
    - Max length of 255
  - Biography\*
    - Required
    - Max length of 255
- The user should be able to submit the form if all the validation criteria is met.
- By submitting the form, the new contact will be added to the array. Adding a user is thus not persistent and only in memory.
- After adding the user, the modal should automatically close and show the contacts page with the newly added user in the contact list.

## About me Page

The **About Me** page will look as follows:



**The About me page should meet the following criteria:**

- The webapp should display the about me title.
- The webapp should display your hardcoded information in the card view, as shown in the provided image.
- The user should be able to navigate between the contacts page and the about me page.

## Style information:

All colours, padding and font sizes can be altered slightly, as long as the general presentation is similar.

**Font:** Poppins (<https://fonts.google.com/specimen/Poppins>)