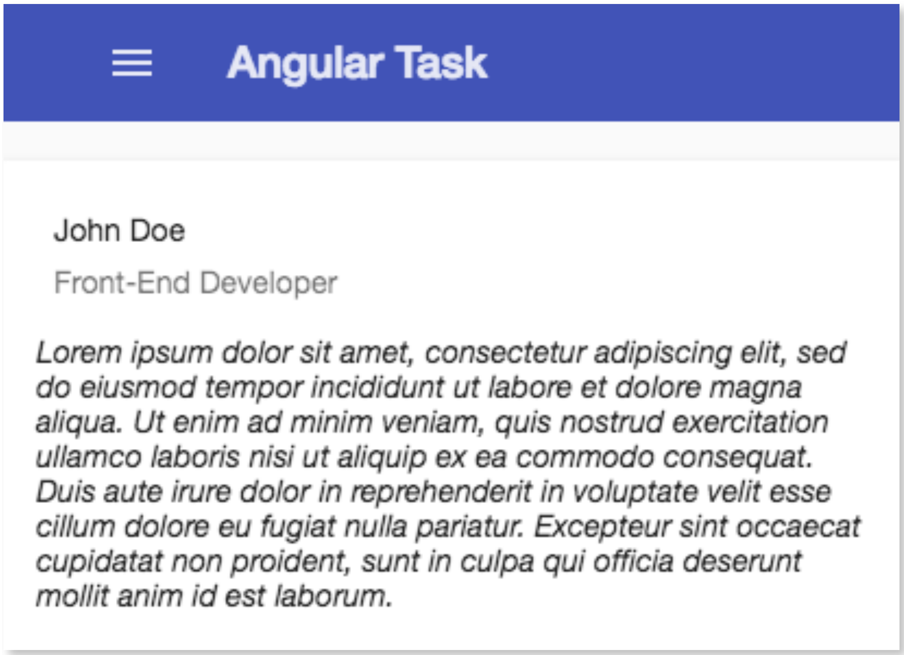
Front-End - Angular Task

Create an Angular app that manages a simple contact list, similar to the one found on every phone. However, instead of phone numbers, each contact can have a number of addresses.

1. The app should have two main pages. The home page, which contains static text, and the contact page, which contains a list of contacts.
2. Contacts are retrieved from a mock api (**see details below**) and displayed on the contacts page. A new contact can be added from the same page. Note: Modification (editing) of contact details is not required for this task.
3. Clicking/Tapping on a contact will display his/her information and also list all the addresses (if any) related to that contact. Existing addresses can be modified or removed, and new addresses can be added.



John Doe

Front-End Developer

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Fig 1. Home page example

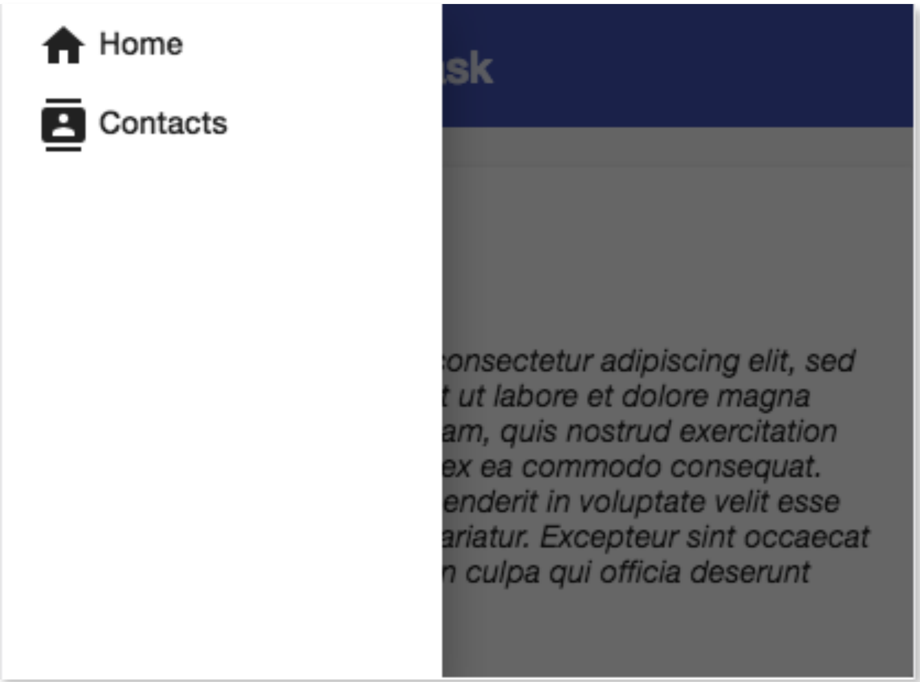

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Fig 2. Example of menu displaying the two navigation links

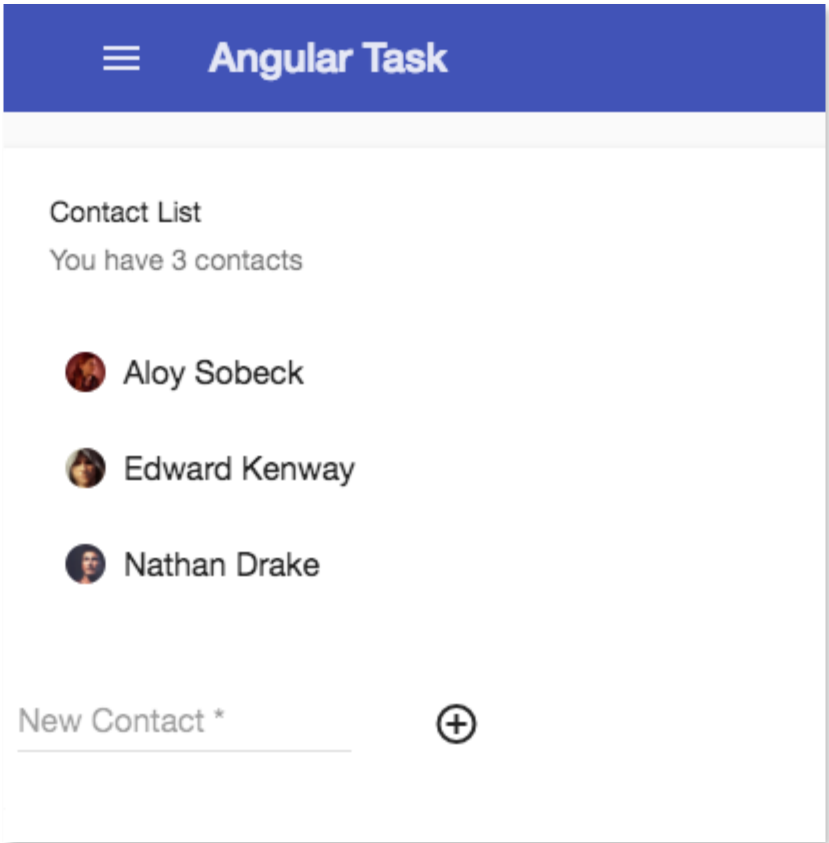
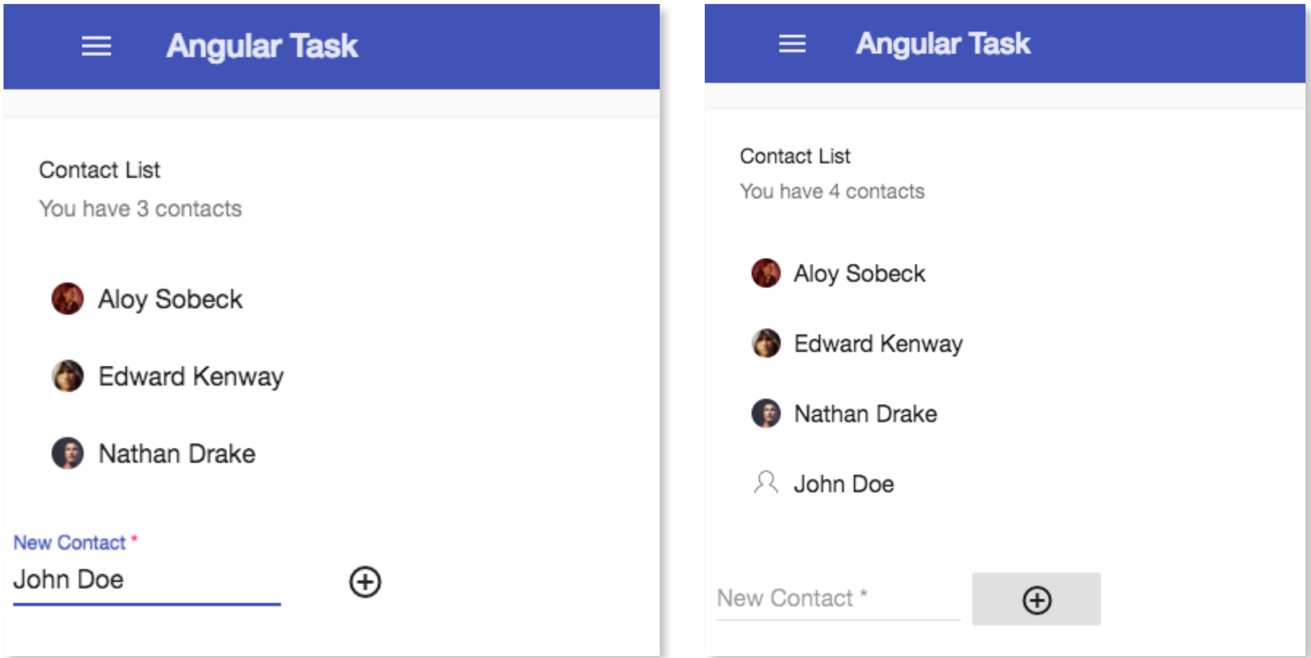


Fig 3. Contacts page example



Angular Task

Contact List

You have 3 contacts

Aloy Sobeck

Edward Kenway

Nathan Drake

New Contact *

John Doe

Angular Task

Contact List

You have 4 contacts

Aloy Sobeck

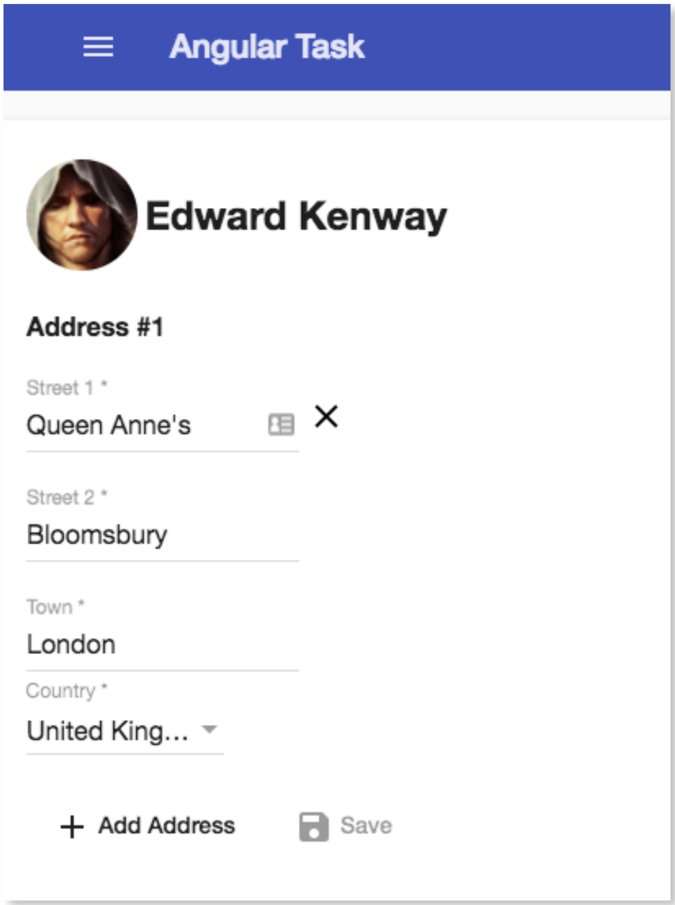
Edward Kenway

Nathan Drake

John Doe

New Contact *

Fig 4 & 5. Adding new contact example



Angular Task

Edward Kenway

Address #1

Street 1 *

Queen Anne's

Street 2 *

Bloomsbury

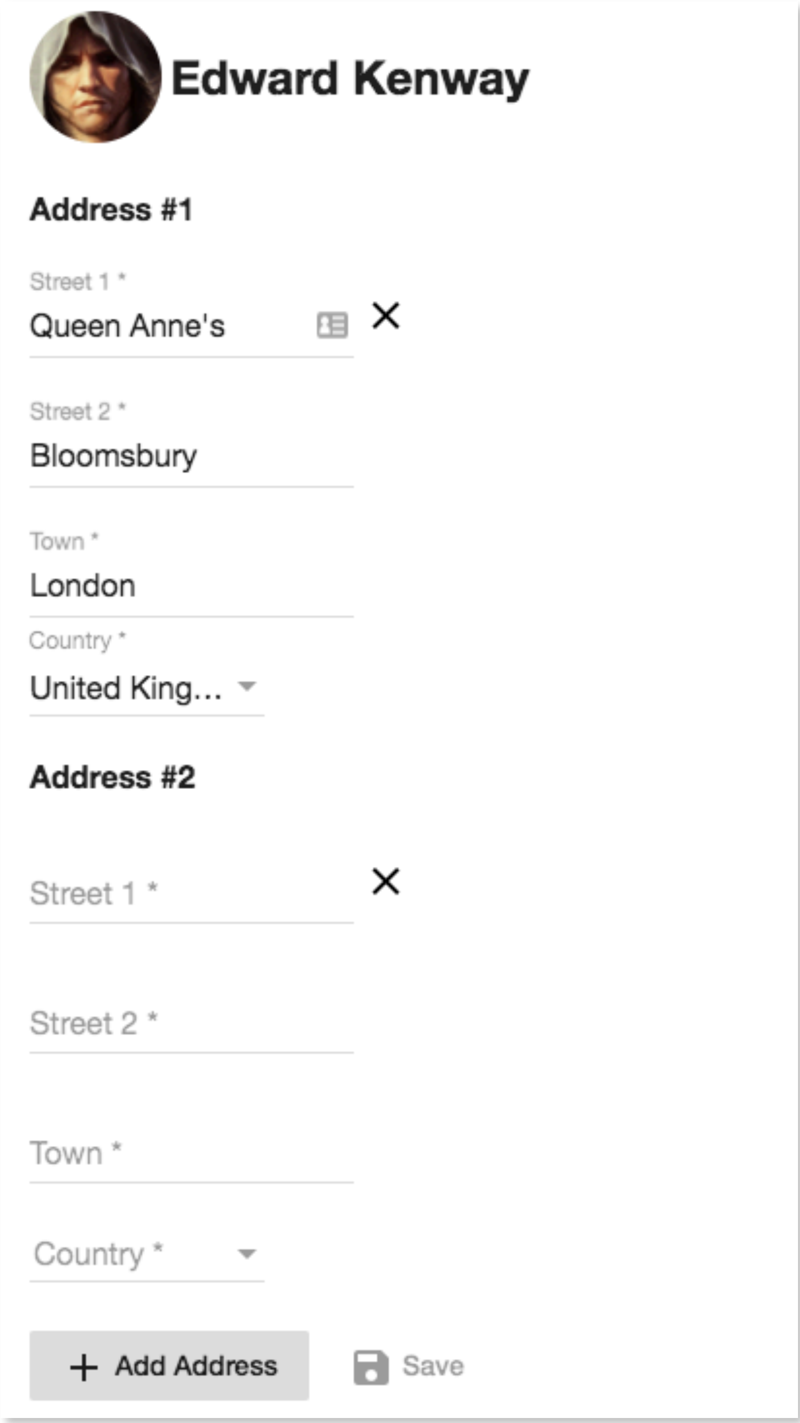
Town *

London

Country *

United King…

Fig 6. Contact details, showing existing address example. Changes can be made and saved.



Edward Kenway

Address #1

Street 1 *: Queen Anne's

Street 2 *: Bloomsbury

Town *: London

Country *: United King…

Address #2

Street 1 *

Street 2 *

Town *

Country *

Fig 7. Adding a second address. Note: For this particular scenario, when saving addresses, all information is saved, meaning if any changes occurred in address 1, those are updated, whereas address 2 is added.

CRUD operations via REST api

For this task we are using json-server as a mock REST api. To install, simply run this command:

```
> npm install -g json-server
```

For more information please visit their github page. https://github.com/typicode/json-server

The *contacts.json* file provided with this document has the initial data required for contacts, addresses, and also a list of countries to be used for addresses. DO NOT modify this file directly. Only open it as a reference for your models.

Once *json-server* is installed globally onto your machine, run this command in the same directory where *contacts.json* is located:

```
> json-server contacts.json
```

This will initialize your mock api on http://localhost:3000. The list of api resources for contacts, addresses and countries will be displayed for reference.

Please note: all resource routes are in plural. Example:

GET	/contacts
GET	/contacts/1
POST	/contacts
PUT	/contacts/1
DELETE	/contacts/1

Contact address relationship is one-to-many. Meaning one contact can have many addresses and to create an address, the following restful standard approach is followed:

POST /contacts/1/addresses

Additional requirements

- For this task, we are NOT looking for pretty UI since this is a throwaway project. However we do encourage the use of UI libraries such as google material or something similar to help make the app more usable.
- Implementation of unit tests is not required but would be considered an asset.
- While this task is quite a simple feature, keep scalability and reusability in mind. Application structure is very important.
- Latest concepts and technologies are highly encouraged.

If possible, upload your project to a public GITHub account and provide us with a URL.