

Contact App

Objective

Create a web app to manage contacts.

Duration

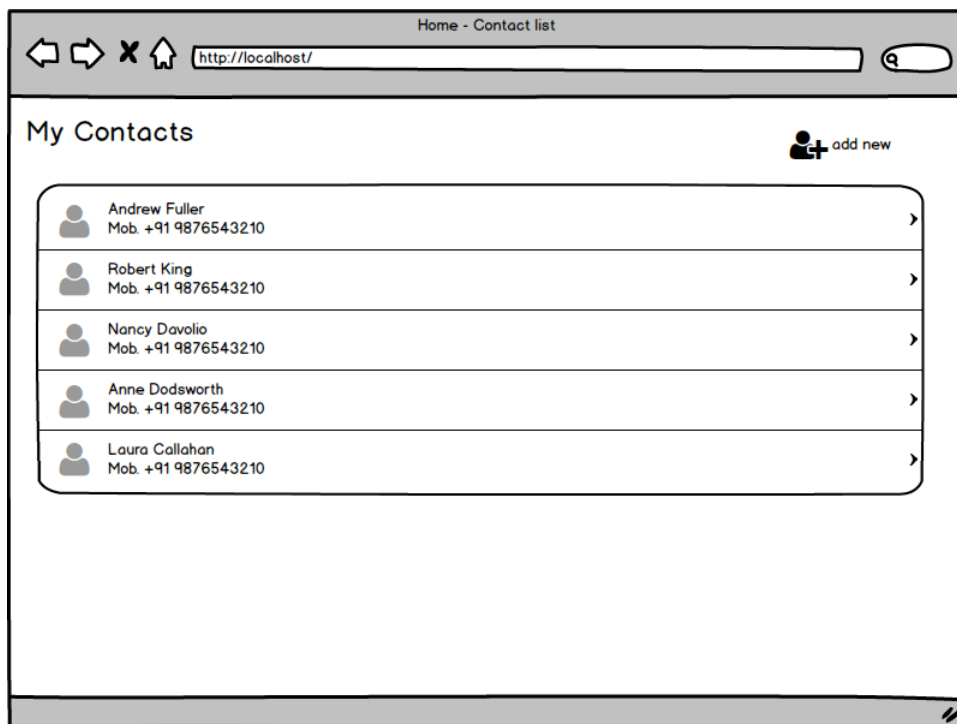
4 hours

Requirements

Following are the functional details of the application:

Contact list

Home page of the application should display list of all contacts present in database. Each contact row should show the picture of contact, his name and personal mobile number.



Add new contact

On clicking/tapping add new contact button, the application should show following add new view.

The screenshot shows a web browser window with the address bar displaying `http://localhost/contact/add`. The page title is "Add new". The form contains the following fields:

- Name:** A text input field with the placeholder text "name here".
- Mobile Office:** A text input field with the placeholder text "+00-00000-0000".
- Mobile Personal:** A text input field with the placeholder text "+00-00000-0000".
- Address:** A text input field with the placeholder text "address".

On the right side of the form, there is a circular profile picture placeholder and a button labeled "Upload image". A "Go back" link is located in the top right corner. A "Create" button is positioned at the bottom right of the form.

On clicking "Create", the contact should be saved to database and image should be saved to file system. On successful save, contact list screen should be shown.

Edit contact

On clicking a contact row, edit contact view should be shown. All fields should be filled with the contact details. User can change any value.

The screenshot shows a web browser window with the address bar displaying `http://localhost/contact/10`. The page title is "Edit contact". The form contains the following fields:

- Name:** A text input field containing the value "Andrew Fuller".
- Mobile Office:** A text input field containing the value "+91-98765-43210".
- Mobile Personal:** A text input field containing the value "+91-98765-43210".
- Address:** A text input field containing the value "123, Main St, New York".

On the right side of the form, there is a circular profile picture placeholder and a button labeled "change image". A "Go back" link is located in the top right corner. A "Save" button is positioned at the bottom right of the form.

On clicking of save, the contact should be updated in database and image should be saved to file system. On successful save, contact list screen should be shown

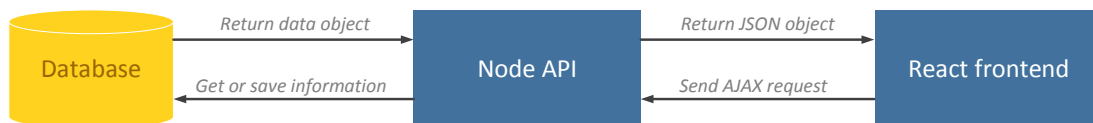
Tech stack

Following technologies should be used to create the app:

- Server – node with express
- Frontend framework – react
- Database – SQL/mongo

Application flow

There are multiple components and technologies involved in creating application. Following should be the dataflow of the application.



Important points

- All data should reside in database (mongo or SQL server)
- User interface and screen flow should be designed using react
- All data should be exposed to react via node API
- React should access all data via AJAX call to node API

Additional implementations

Try to include following additional improvements:

- Support for mobile device (Use responsive design frameworks like bootstrap)
- Use of ES6
- Unit testing