USER GUIDE
Individual Project – CS6360.5U1
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Introduction:

This user guide is for a web app built with react frontend and node js backend to manage a Contact list. Each contact has name, address, phone and date (i.e., birth date) information. The app allows the users to:
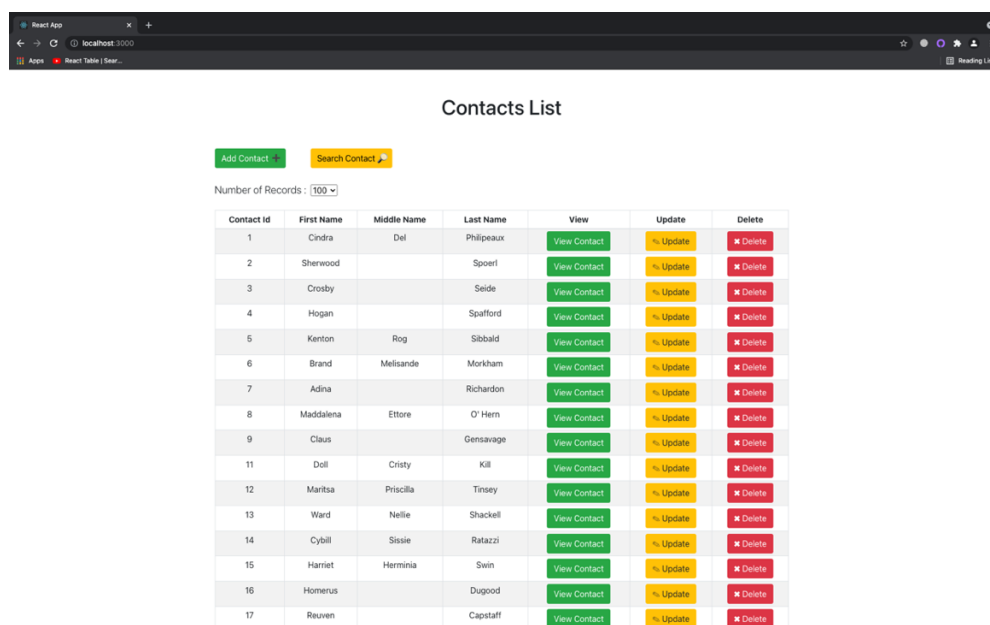
1. Search contacts
2. View contacts
3. Update contacts
4. Delete contact
5. Insert new contact

Installing the app:

The technical details of installing the app have been mentioned in the README.md file in detail. After the starting the app, the interface can be accessed at (http://localhost:3000) on your browser (Preferably Google Chrome).

Using the app

This is how the app looks when started. The table already gets populated by the existing contacts in the database. By default, 100 records are shown. The user can select up to 300 rows to be displayed. Rest can be searched using the search feature. Note, kindly give second when you load a page for all the components to complete rendering, for eg. the buttons might take a second to start working on page load.

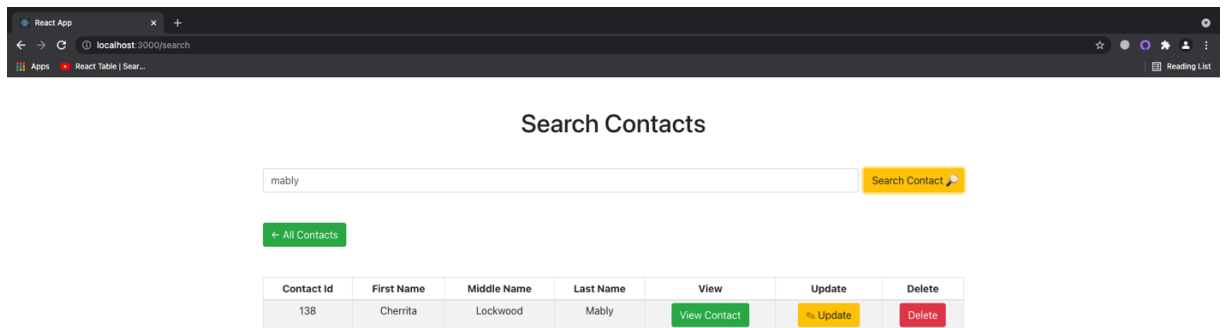Application Utilities:

1. Search contacts

Click the search button on the home screen. This will take you to the search page. Type in your search text in the text box and hit enter. You will see all contacts matching you search queries. The search is based on any combination of names, addresses and phone numbers.

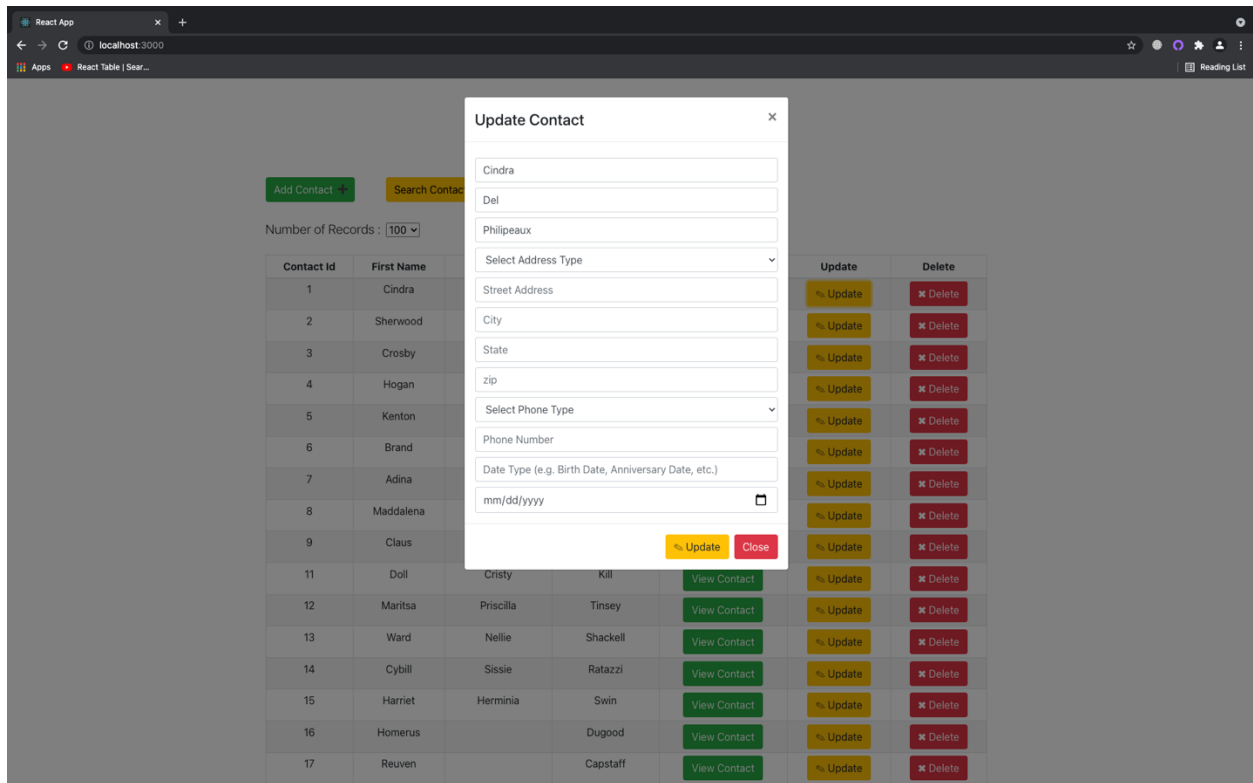
Sample Search Screen

2. View Contacts

The homepage only shows the Name of a contact. However, the full information of the user can be accessed by clicking on the `View Contact` button available on each row. Clicking the view opens a modal where the full information about the user is displayed. Note that the values are not editable in the view modal.
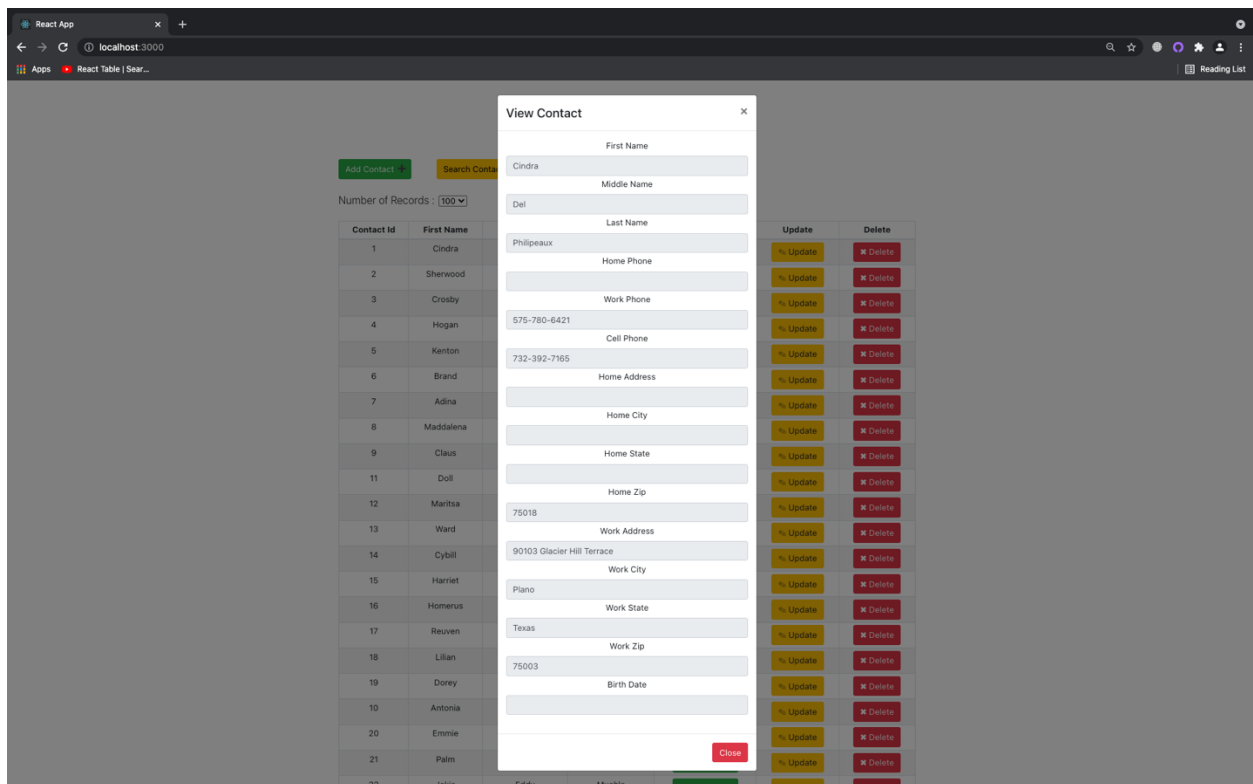
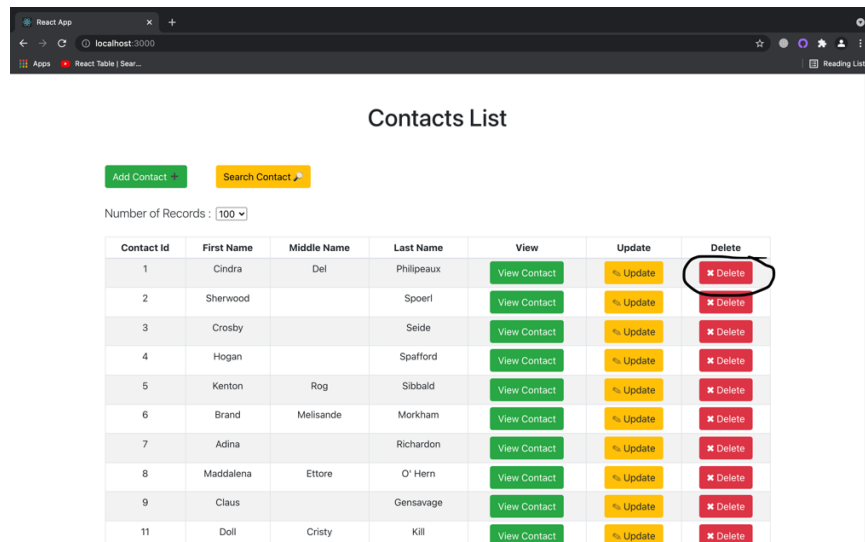
Sample view contacts screen

3. Update contacts

Contacts can be updated by pressing the update button on each record and filling out the form which opens. The name fields are already populated, and the rest can be filled by the user. While filling addresses and phone numbers, address type and phone type should be specified. Otherwise, the records won't be inserted for the sake of database integrity. Also, if a home address is entered by the user and it already exists, it will be updated. Else, home address will be added to the database. Same with the phone fields.

Sample Update Contact Screen

4. Delete contact

A contact can be deleted by the `Delete` button appearing with each record.

Before

After

5. Insert new contact

A new contact can be inserted by clicking on the `Add Contact` button and filling up the form that appears after that. Note that users are expected to provide the contact id. This is to avoid any confusion of adding/modifying multiple contacts with the same name and other information. The contact id entered should not already exist in the database. Also, the first Name field cannot be empty. After filling the form, the new contact is available to be searched or to be updated/deleted by the user.

Add contact Screen