

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:

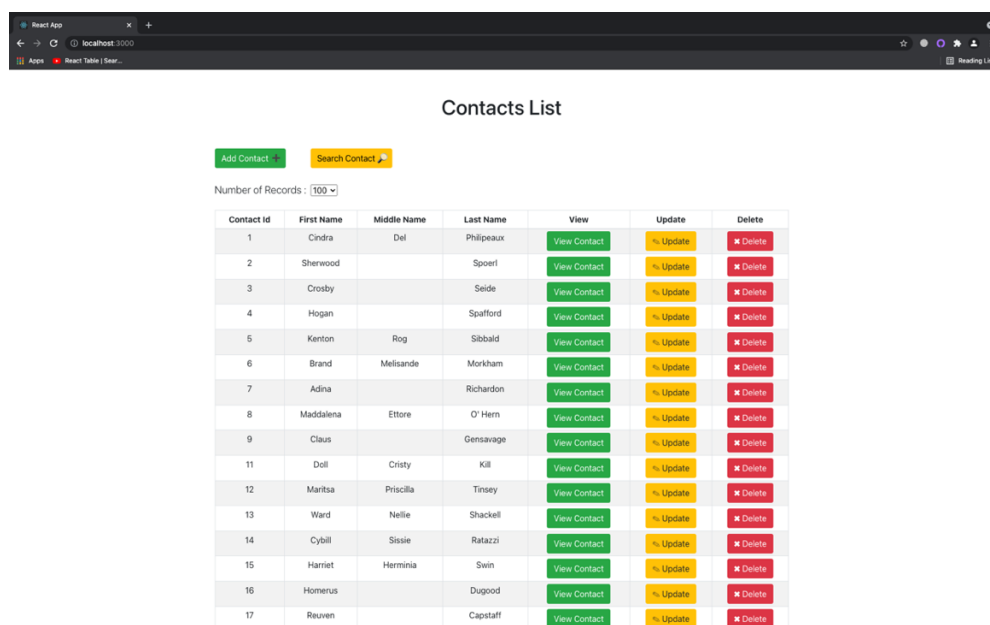
1. Search contacts
2. View contacts
3. Update contacts
4. Delete contact
5. Insert new contact

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.



Contacts List

Add Contact Search Contact

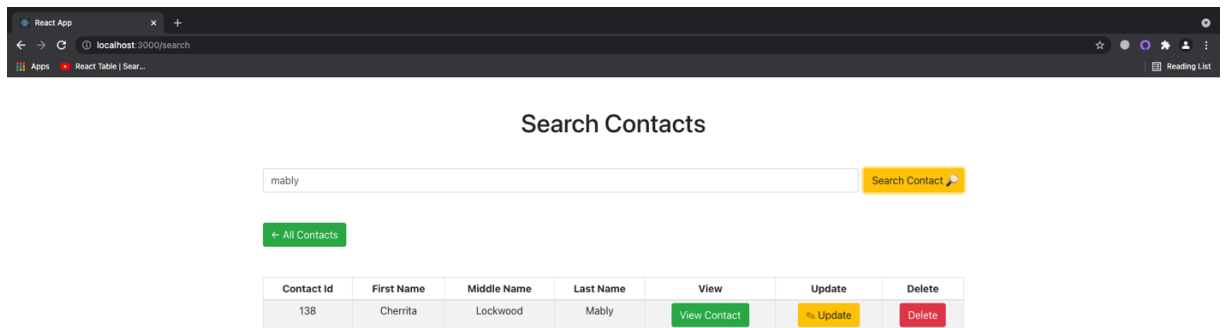
Number of Records : 100

Contact Id	First Name	Middle Name	Last Name	View	Update	Delete
1	Cindra	Del	Philipaux	View Contact	Update	Delete
2	Sherwood		Spoerl	View Contact	Update	Delete
3	Crosby		Seide	View Contact	Update	Delete
4	Hogan		Spafford	View Contact	Update	Delete
5	Kenton	Rog	Sibbald	View Contact	Update	Delete
6	Brand	Melissande	Morkham	View Contact	Update	Delete
7	Adina		Richardson	View Contact	Update	Delete
8	Maddalena	Ettore	O' Hern	View Contact	Update	Delete
9	Claus		Gensavage	View Contact	Update	Delete
11	Dell	Cristy	Kill	View Contact	Update	Delete
12	Maritsa	Priscilla	Timsey	View Contact	Update	Delete
13	Ward	Nellie	Shackell	View Contact	Update	Delete
14	Cybill	Sissie	Ratazzi	View Contact	Update	Delete
15	Harriet	Herminia	Swin	View Contact	Update	Delete
16	Homerus		Dugood	View Contact	Update	Delete
17	Reuven		Capstaff	View Contact	Update	Delete

Application Utilities:

1. Search contacts

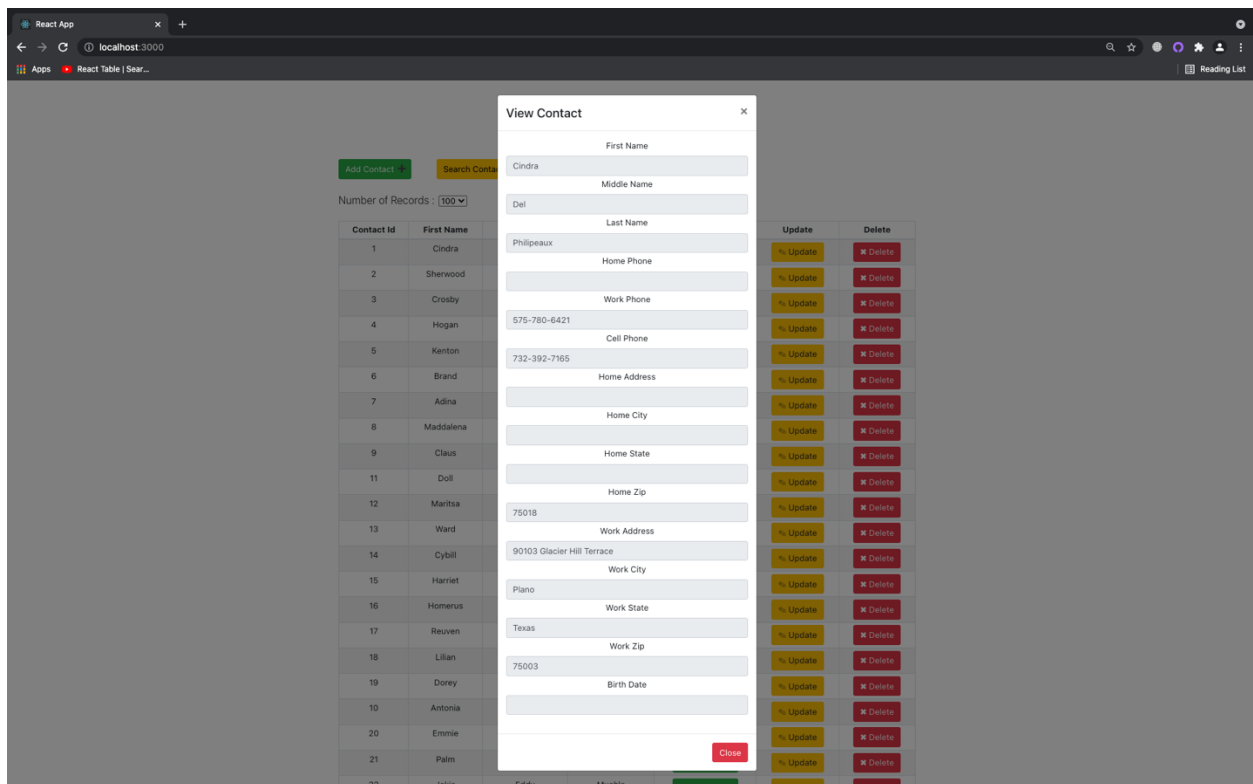
Click the search button on the home screen. This will take you to the search page. Type in your search text in the text box and hit enter. You will see all contacts matching your search queries. The search is based on any combination of names, addresses and phone numbers.



Sample Search Screen

2. View Contacts

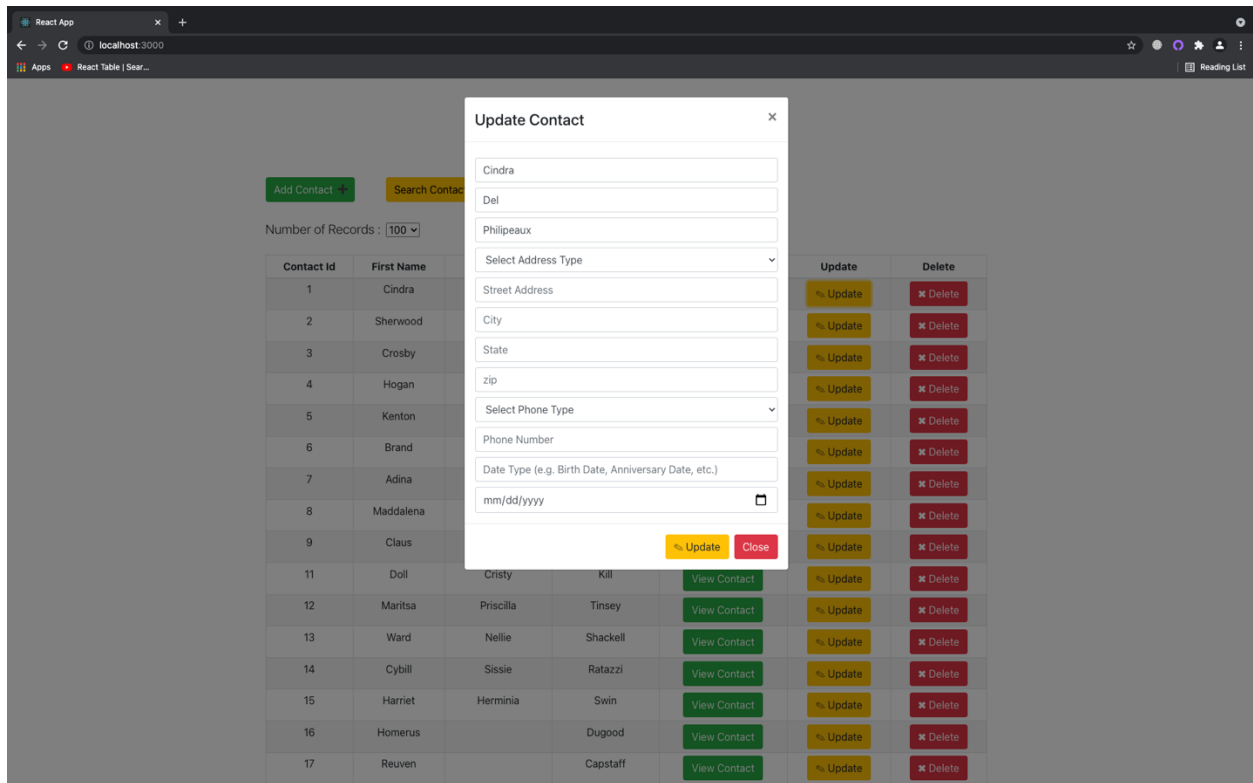
The homepage only shows the Name of a contact. However, the full information of the user can be accessed by clicking on the 'View Contact' button available on each row. Clicking the view opens a modal where the full information about the user is displayed. Note that the values are not editable in the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



Sample view contacts screen

3. Update contacts

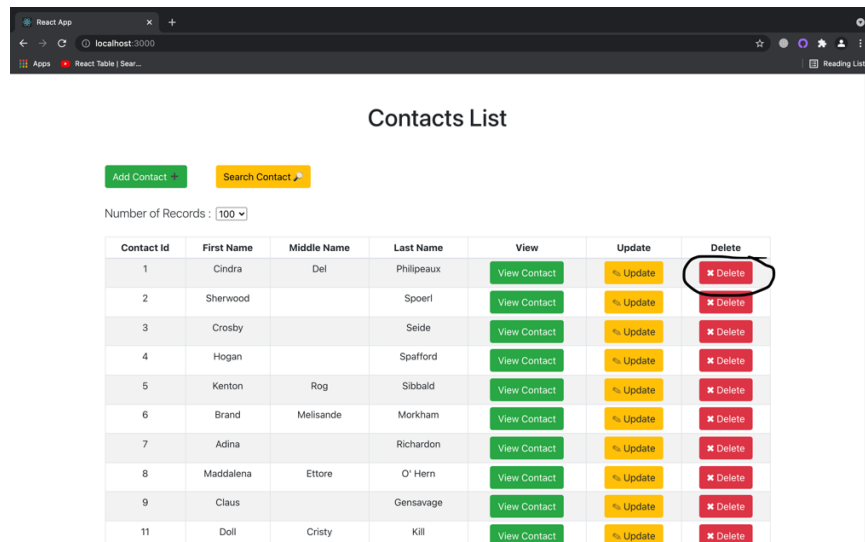
Contacts can be updated by pressing the update button on each record and filling out the form which opens. The name fields are already populated, and the rest can be filled by the user. While filling addresses and phone numbers, address type and phone type should be specified. Otherwise, the records 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.



React App | localhost:3000

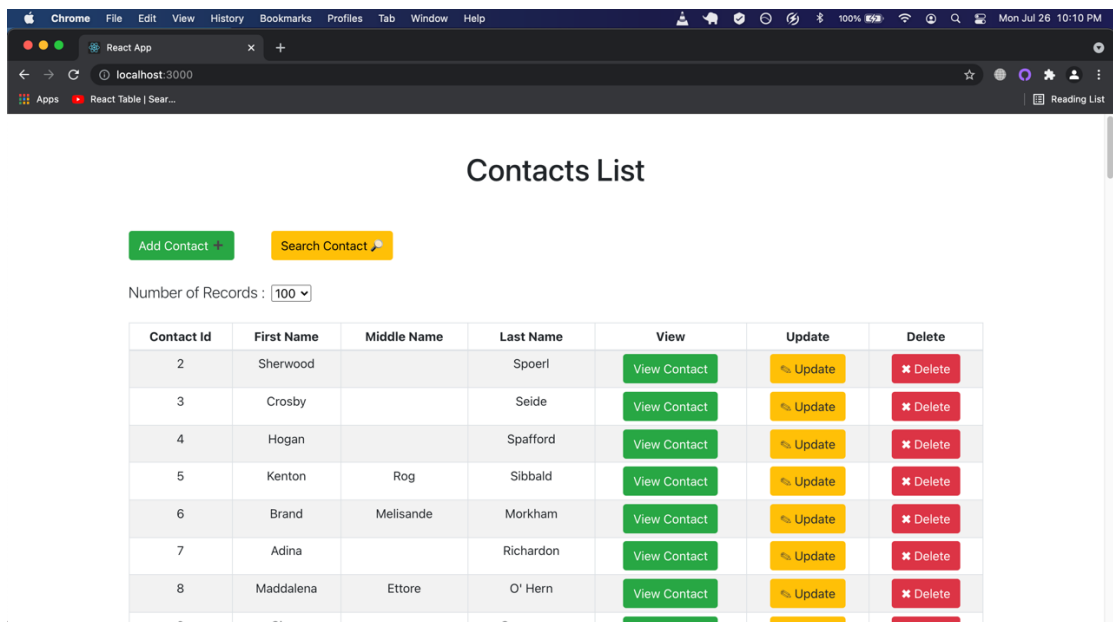
Contacts List

Add Contact + Search Contact 🔍

Number of Records : 100 ▾

Contact Id	First Name	Middle Name	Last Name	View	Update	Delete
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2	Sherwood		Spoerl	View Contact	Update	Delete
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5	Kenton	Rog	Sibbald	View Contact	Update	Delete
6	Brand	Melisande	Morkham	View Contact	Update	Delete
7	Adina		Richardon	View Contact	Update	Delete
8	Maddalena	Ettore	O' Hern	View Contact	Update	Delete
9	Claus		Gensavage	View Contact	Update	Delete
11	Doll	Cristy	Kill	View Contact	Update	Delete

Before



Chrome | React App | localhost:3000

Contacts List

Add Contact + Search Contact 🔍

Number of Records : 100 ▾

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11	Doll	Cristy	Kill	View Contact	Update	Delete

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.

The screenshot displays a web application interface for managing contacts. A modal form titled "Add Contact" is centered on the screen, overlaying a table of existing contacts. The modal form contains the following fields:

- Contact Id
- First Name
- Middle Name
- Last Name
- Select Address Type (dropdown)
- Street Address
- City
- State
- zip
- Select Phone Type (dropdown)
- Phone Number
- Date Type (e.g. Birth Date, Anniversary Date, etc.)
- mm/dd/yyyy (date input)

At the bottom of the modal, there are two buttons: "Add Contact" (green) and "Close" (red). The background table lists 17 contacts, each with a "View Contact" button (green) and a "Delete" button (red). The table has columns for Contact Id, First Name, Middle Name, Last Name, Address, and Phone.

Contact Id	First Name	Middle Name	Last Name	Address	Phone
1	Cindra				
2	Sherwood				
3	Crosby				
4	Hogan				
5	Kenton				
6	Brand				
7	Adina				
8	Maddalena				
9	Claus				
11	Doll				
12	Maritsa				
13	Ward				
14	Cybill				
15	Harriet	Herminia	Swin		
16	Homerus		Dugood		
17	Reuven		Capstaff		

Add contact Screen