

USER GUIDE
Individual Project – CS6360.5UI Database Design
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Introduction:

This user guide is for a web app built with Django to manage a Contact list. Each contact has their name, address, phone and date (i.e., birth date) information. The app allows the users to:

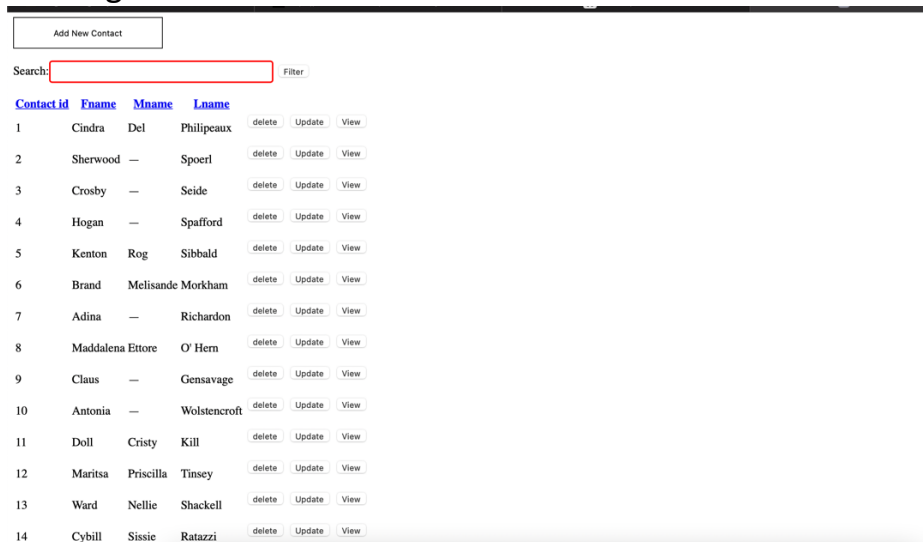
1. Search for any contact
2. View existing contacts
3. Update existing contacts
4. Delete contact
5. Insert new contact

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://127.0.0.1:8000/> (the URL can also be found in the terminal after starting the app).

Using the app

This is how the app looks when started. The table already gets populated by the existing contacts in the database.



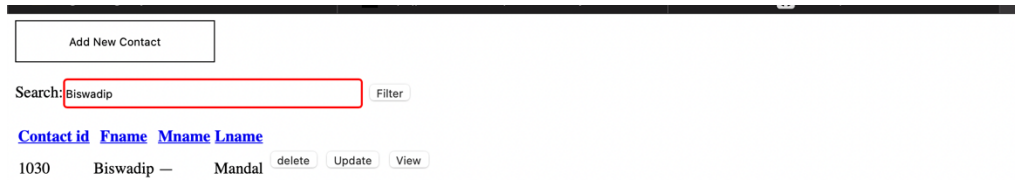
The screenshot shows the web application interface. At the top, there is a button labeled "Add New Contact". Below it, there is a search bar with the label "Search:" and a "Filter" button. The main part of the interface is a table with the following columns: "Contact Id", "Ename", "Mname", and "Lname". The table contains 14 rows of contact data. Each row has three buttons: "delete", "Update", and "View".

Contact Id	Ename	Mname	Lname	delete	Update	View
1	Cindra	Del	Philipaux	delete	Update	View
2	Sherwood	—	Spoerl	delete	Update	View
3	Crosby	—	Seide	delete	Update	View
4	Hogan	—	Spafford	delete	Update	View
5	Kenton	Rog	Sibbald	delete	Update	View
6	Brand	Melisande	Morkham	delete	Update	View
7	Adina	—	Richardon	delete	Update	View
8	Maddalena	Ettore	O' Hern	delete	Update	View
9	Claus	—	Gensavage	delete	Update	View
10	Antonia	—	Wolstencroft	delete	Update	View
11	Doll	Cristy	Kill	delete	Update	View
12	Maritsa	Priscilla	Tinsey	delete	Update	View
13	Ward	Nellie	Shackell	delete	Update	View
14	Cybill	Sissie	Ratazzi	delete	Update	View

Following are the instructions for a user intending to use the app for the first time:

1. Search for any contact

The search bar allows the user to filter or search for any contact. Just type in your search query and hit `Filter`. A contact can be searched by their name (including First Name, Middle Name and Last Name), address, state, city zip or phone number. Following is sample snapshot of searching a particular contact by its name:



Add New Contact

Search: Biswadip

[Contact id](#) [Fname](#) [Mname](#) [Lname](#)

1030	Biswadip	—	Mandal	<input type="button" value="delete"/>	<input type="button" value="Update"/>	<input type="button" value="View"/>
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Searching for a contact

2. View existing 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` button available on each row. Clicking the view button directs the user to the view contact page where the full information about the user is displayed. Note that the values are not editable in the view page.



Contact id: 1

Fname: Cindra

Mname: Del

Lname: Philippeaux

Home address: 90103 Glacier Hill Terrace

Home city: Plano

Home state: Texas

Home zip: 75018

Work address: 90103 Glacier Hill Terrace

Work city: Plano

Work state: Texas

Work zip: 75018

Work number: 575-780-6421

Work area code: 575

Home number: 732-392-7165

Home area code: 732

Cell number: 732

Cell area code: 732

Birth date:

Sample View Page

3. Update existing contacts

Updating works the same way as view but allows you to update the existing information. By default, only the contact_id and name information are populated on the form. The rest of the information remains empty. The user information is updated on the database according to the values entered by the user. For example, if you enter only address information and no phone information, only the address information is updated. Also, user can edit/update only one type of address for one update (If you want to update both work and home address, you have to fill the form twice with appropriate address type.). `address_type` is mandatory to input if you want to update an address. If the user keeps the `address_type` empty and provides some address to update, the app has no idea which address to update and ends up rejecting the update query. The same goes for Phone and Date information (hence for `phone_type` and `date_type`).

Browser tabs: Programming Projects - CS 6380.301 - Database..., https://team-as-east-1-prod-neeto2-xymos.com...

Contact id: 2

Fname: Sherwood

Mname:

Lname: Spoerl

Address type:

Address:

City:

State:

Zip:

Phone type:

Number:

Date type:

Date: MM/DD/YYYY

Update

Sample update page

4. Delete contact

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

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add new contacts

Add New Contact

Search: Filter

Contact id	Fname	Mname	Lname	
1	Cindra	Del	Philipeaux	delete Update View
2	Sherwood	—	Spoerl	delete Update View
3	Crosby	—	Seide	delete Update View
4	Hogan	—	Spafford	delete Update View
5	Kenton	Rog	Sibbald	delete Update View
6	Brand	Melisande	Morkham	delete Update View
7	Adina	—	Richardon	delete Update View
8	Maddalena Ettore	O' Hern		delete Update View
9	Claus	—	Gensavage	delete Update View

Before Delete



Add New Contact

Search: Filter

Contact id	Fname	Mname	Lname	
1	Cindra	Del	Philipeaux	delete Update View
2	Sherwood	—	Spoerl	delete Update View
4	Hogan	—	Spafford	delete Update View
5	Kenton	Rog	Sibbald	delete Update View
6	Brand	Melisande	Morkham	delete Update View
7	Adina	—	Richardon	delete Update View
8	Maddalena Ettore	O' Hern		delete Update View
9	Claus	—	Gensavage	delete Update View
10	Antonia	—	Wolstencroft	delete Update View
11	Doll	Cristy	Kill	delete Update View

After Delete: Record 3 has been deleted

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 contacts id as well. 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. A nice way to know available contact id is sort the home page table by contact id in decreasing order and pick

a contact id greater than the maximum contact id existing in the database. After filling the form, a new contact, it is available to be searched or to be updated/deleted by the user.

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Contact id:

Fname:

Mname:

Lname:

Address type:

Address:

City:

State:

Zip:

Phone type:

Number:

Date type:

Date:

Add New contact form