

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:

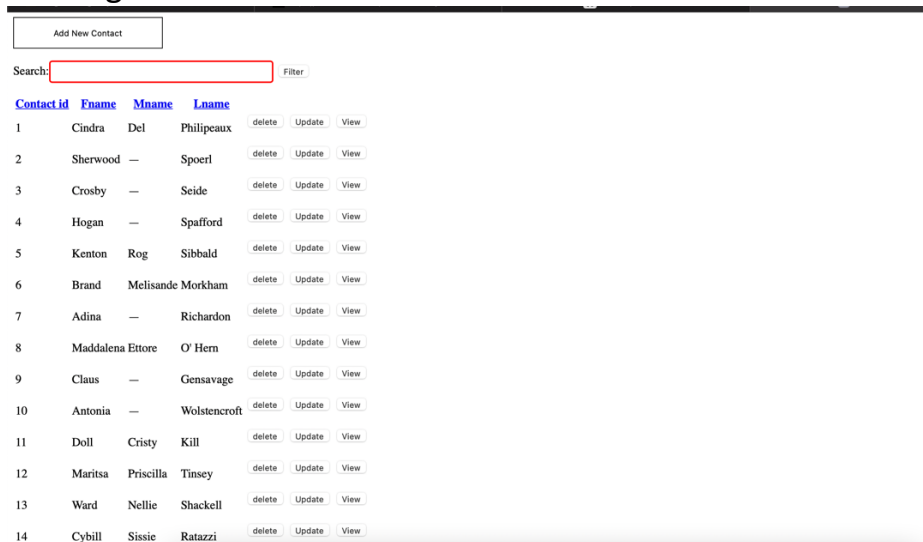
1. Search for any contact
2. View existing contacts
3. Update existing contacts
4. Delete contact
5. Insert new contact

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.



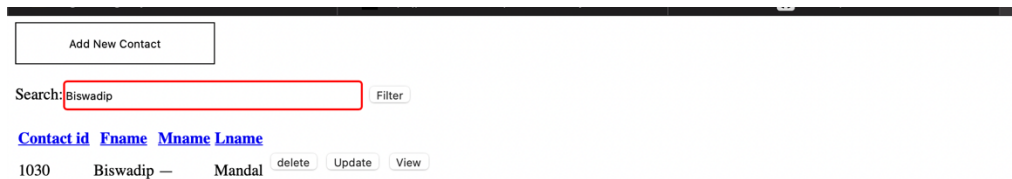
The screenshot shows the web application interface. At the top, there is a button labeled "Add New Contact". Below it, there is a search bar with the label "Search:" and a "Filter" button. The main part of the interface is a table with the following columns: "Contact Id", "Ename", "Mname", and "Lname".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

Contact Id	Ename	Mname	Lname			
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:



The screenshot shows a web interface with a search bar and a table of results. The search bar contains the text 'Biswadip' and a 'Filter' button. Below the search bar, there is a table with columns: Contact id, Fname, Mname, Lname, and three action buttons: delete, Update, and View. The table contains one row with the following data: 1030, Biswadip, —, Mandal.

Contact id	Fname	Mname	Lname	
1030	Biswadip	—	Mandal	<button>delete</button> <button>Update</button> <button>View</button>

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.



The screenshot shows a web interface for viewing contact details. It displays a list of fields and their values for contact 1. The fields are: Contact id (1), Fname (Cindra), Mname (Del), Lname (Philippeaux), Home address, Home city, Home state, 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, Home area code, Cell number (732-392-7165), Cell area code (732), and Birth date.

Contact id:	1
Fname:	Cindra
Mname:	Del
Lname:	Philippeaux
Home address:	
Home city:	
Home state:	
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:	
Home area code:	
Cell number:	732-392-7165
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`).

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.

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:

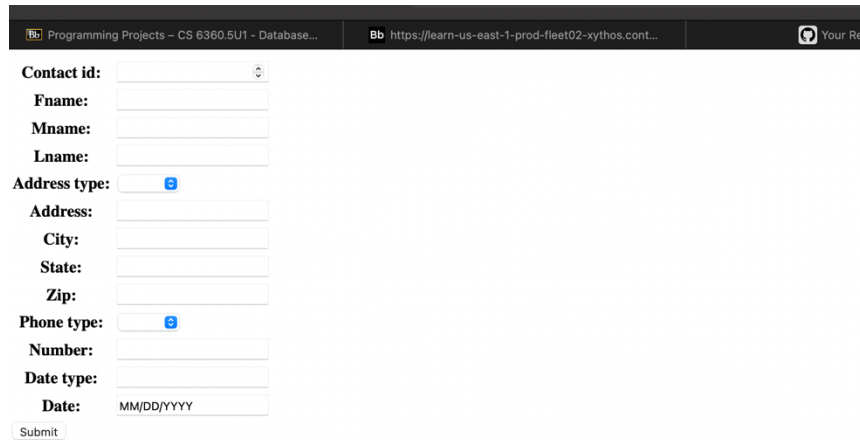
Filter

	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.



The screenshot shows a web browser window with the following tabs: "Programming Projects - CS 6360.5U1 - Database...", "https://learn-us-east-1-prod-fleet02-xythos.cont...", and "Your Re...". The form is titled "Add New contact form" and contains the following fields:

- Contact id:** A text input field with a dropdown arrow on the right.
- Fname:** A text input field.
- Mname:** A text input field.
- Lname:** A text input field.
- Address type:** A dropdown menu with a blue plus icon on the right.
- Address:** A text input field.
- City:** A text input field.
- State:** A text input field.
- Zip:** A text input field.
- Phone type:** A dropdown menu with a blue plus icon on the right.
- Number:** A text input field.
- Date type:** A text input field.
- Date:** A text input field with a placeholder "MM/DD/YYYY".

A "Submit" button is located at the bottom left of the form.

Add New contact form