

PYTHON PROJECT

PHONE-BOOK



**Manipal University
Jaipur
2018-2022**

NAME : MANAV BHAGWANI
REG NO. : 189301008
BRANCH : COMPUTER SCIENCE
SECTION : C

LIST OF CONTENTS

1.1	Declaration By Candidate	1
2.1	Acknowledgement	2
2.2	Project-Report	3
2.3	Screenshot	4
2.5	References	7

DECLARATION BY THE CANDIDATE

I hereby declare that the work, which is going to be presented in the Project, entitled “Phone-Book” to be submitted in partial fulfillment of the requirement for the award of Degree of “Bachelors of Technology” in Department of Computer Science with Specialization in Python and to be submitted to the Department of Computer Science, Manipal University Jaipur is an authentic record of my own investigations carried out under the supervision of Dr Mahesh Jangid , Associate Professor, Manipal University Jaipur.

I have not submitted the matter presented in this project anywhere for the award of any other degree.

Student Name - Manav Bhagwani

Reg. No. - 189301008

ACKNOWLEDGEMENT

The enduring pages of the work are the cumulative sequence of extensive guidance and arduous work. I wish to acknowledge and express my personal gratitude to all those without whom this work could not have been reality.

I feel very delighted to get this rare opportunity to show my profound senses of reverences and indebtedness to my esteemed Dr. Mahesh Jangid for his keen and sustained interest, valuable advice, throughout the course of which led my report, to a successful completion. For this kind act of consideration I be holder to him in special manner and no one can fully convey my feelings of respect and regard for them.

ABOUT THE PROJECT

The aim of this project was to make a software which can be used to store the Contact Information of a person and to save it in an SQLITE database implemented using Python.

This is just like the android phone-book app with all its salient features implemented using Python.

The UI component is made using Tkinter. SQLite3 is a library that provides a lightweight disk-based database that doesn't require a separate server process and allows accessing the database using a variant of the SQL query language. It is a fairly compatible software with a portable database which can be transferred from one machine to another without losing data. As said earlier just like the android app it has all the features like “event listeners (like key-press and onclick)”, “search by name, number, company, email or any other information”, “editing or deleting the contact info” etc which are fully functional.

I'll explain the working in the screenshot section.

SCREENSHOTS

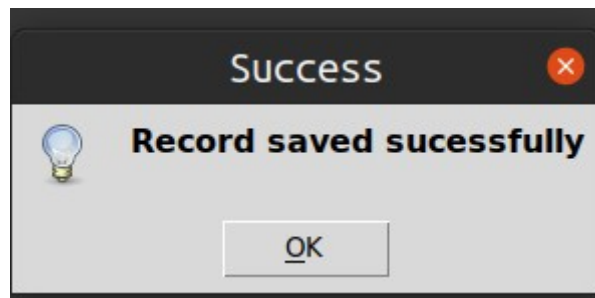


This is the first window in which you have to hover to continue. The next window will popup which will be a contact creation page.

A screenshot of a "Phone Book" application window. The window has a dark gray title bar with the text "Phone Book" and standard window controls. The main area has a light gray background with the text "PHONEBOOK" in large orange letters. The form contains the following fields and controls:

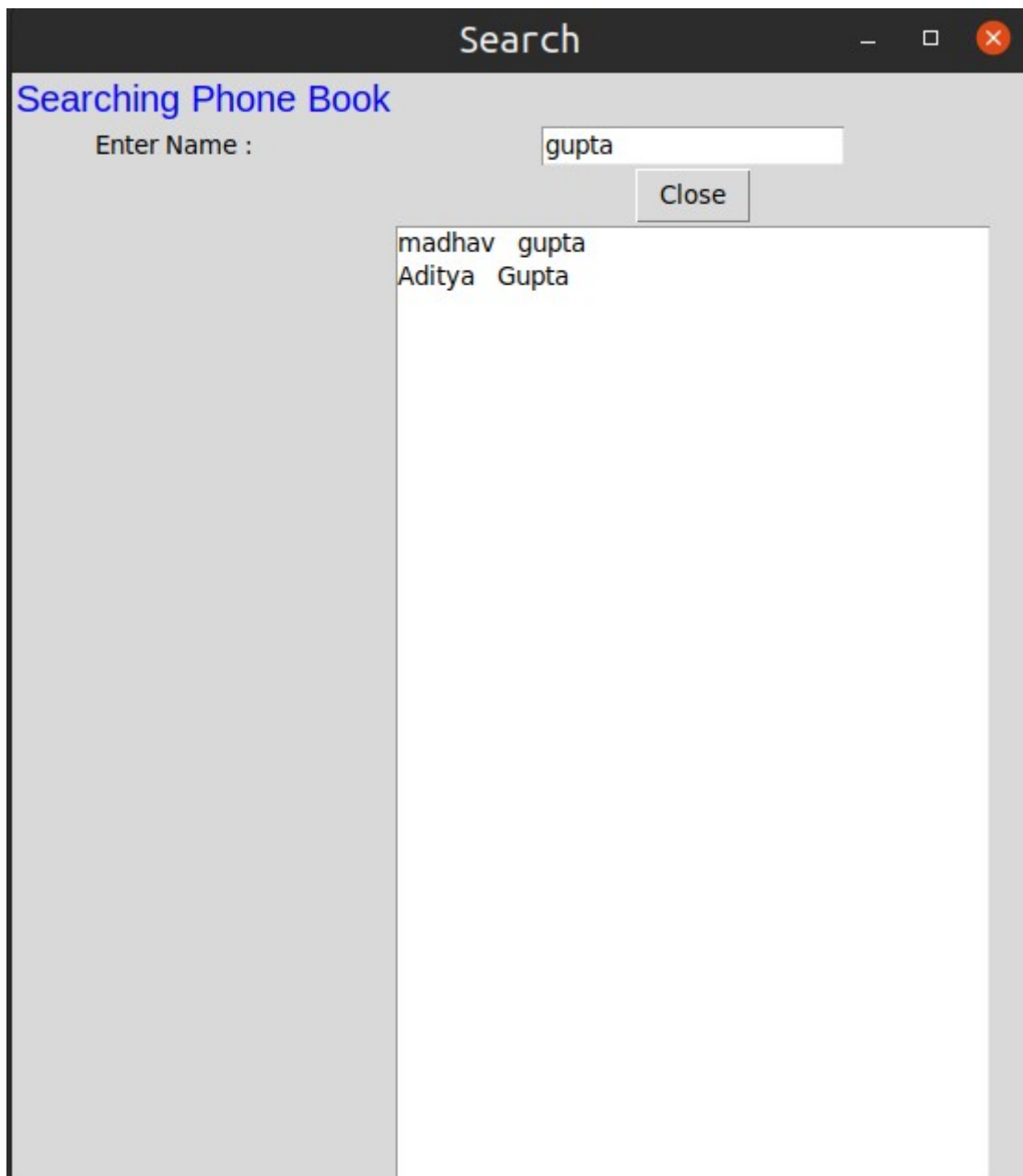
- First Name: Aditya
- Middle Name: (empty)
- Last Name: Gupta
- Company Name: MUJ
- Address: ABCD LANE, XYZ
- City: Jaipur
- Pincode: 123456
- Website URL: abc.org
- Date of Birth: (empty)
- Select Phone Type :
 - ☐ Office
 - ☐ Home
 - ☒ Mobile
- Phone Number: 9876543210
- Select Email Type :
 - ☐ Office
 - ☒ Personal
- Email id: abc@gmail.com
- Buttons: Save, Search, Close

This is the contact creation/home page with some contact info which i want to save. After filling the form press the SAVE button to put the content into database.



Prompt after clicking save button

Now, let us say we want to search someone's contact info. Click on the search button visible on the home page.



The search bar searches the best match contact on every keypress just like it should be. As we can see in the above image that two contacts are visible. Click on the contact you wish to see.



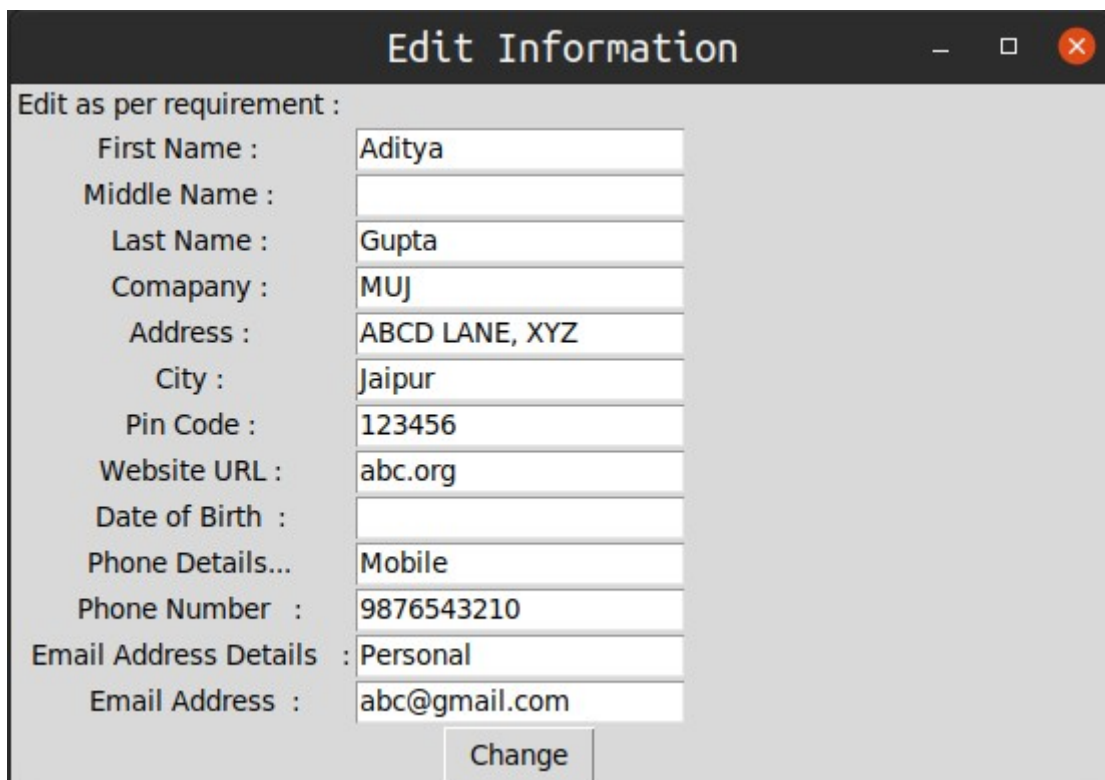
The 'Info' window displays the following contact information:

First Name :	Aditya
Middle Name :	
Last Name :	Gupta
Company :	MUJ
Address :	ABCD LANE, XYZ
City :	Jaipur
Pin Code :	123456
Website URL :	abc.org
Date of Birth :	
Phone Details...	
Mobile :	9876543210
Email Addresses...	
Personal :	abc@gmail.com

Buttons: Close, Delete, Edit

Contact info window

Let us assume we want to edit the info then simply click on edit.



The 'Edit Information' window allows editing the contact details. The fields are as follows:

Edit as per requirement :	
First Name :	<input type="text" value="Aditya"/>
Middle Name :	<input type="text"/>
Last Name :	<input type="text" value="Gupta"/>
Comapany :	<input type="text" value="MUJ"/>
Address :	<input type="text" value="ABCD LANE, XYZ"/>
City :	<input type="text" value="Jaipur"/>
Pin Code :	<input type="text" value="123456"/>
Website URL :	<input type="text" value="abc.org"/>
Date of Birth :	<input type="text"/>
Phone Details...	<input type="text" value="Mobile"/>
Phone Number :	<input type="text" value="9876543210"/>
Email Address Details :	<input type="text" value="Personal"/>
Email Address :	<input type="text" value="abc@gmail.com"/>

Button: Change

Click on change to successfully edit the data

REFERENCES

<https://docs.python.org/3/library/sqlite3.html> – for database related queries

<https://docs.python.org/3/library/tkinter.html> – for ui related queries

<https://stackoverflow.com/> - for general help and implementation syntax