

DAYANANDA SAGAR UNIVERSITY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SCHOOL OF ENGINEERING
DAYANANDA SAGAR UNIVERSITY
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MINI PROJECT REPORT

ON

"CONTACT MANAGEMENT"

SUBMITTED TO THE Vth SEMESTER

DATABASE MANAGEMENT SYSTEM

(Course Code: 16CS302)

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

Submitted by

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CERTIFICATE

This is to certify that ARVIN PRADHAN, AKHILESH BHAT, A.K. ARAVIND has satisfactorily completed their Mini Project as prescribed by the University for the FIFTH semester B.Tech. program in Computer Science & Engineering during the year 2019-2020 at the School of Engineering, Dayananda Sagar University., Bangalore.

Date: 17TH November 2020

Signature of the faculty in-charge

Max Marks	Marks Obtained

Signature of Chairman
Department of Computer Science & Engineering

ACKNOWLEDGEMENT

The satisfaction that accompanies the successful completion of task would be incomplete without the mention of the people who made it possible and whose constant guidance and encouragement crown all the efforts with success.

We are especially thankful to our **Chairman, Dr. Sanjay Chitnis**, for providing necessary departmental facilities, moral support and encouragement.

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We have received a great deal of guidance and co-operation from our friends and we wish to thank all that have directly or indirectly helped us in the successful completion of this project work.

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1. ABSTRACT

Contact Management is a console application, made by using python programming language.

User will have to enter the details of the contact inside the form available. Once entered the user can save the name and details of the people inside the database and access it.

The application will use database to save contact number. Name, Gender, address.

If the entries does not make sense to the encoding then the entry will show error

Each entry has its own unique entry.

2. INTRODUCTION

The mini project 'contact management' is the sample project for maintaining contact details. The project aims at developing contact management system using the python language that enables an organization to maintain its library.

The project demonstrates the creation of a user interface of a system, with the use of python libraries.

The application uses basic function to generate menu, show message box and print text on the screen.

For this project we will be developing a contact management. A contact manager is a software program that enables users to easily store and find contact information, such as names, addresses and telephone numbers.

They are contact-centric databases that provide a fully integrated approach to tracking of all information and communication activities linked to contacts

In this project we will be developing a digital contact management application. The data file will hold contacts to their respective names.

The application will access this data and make it easy to search for names. It will then show the project serial wise in order of addition.

3. PROBLEM STATEMENT

The purpose of this project is to create a digital contact management application that provides easy to use interface and fast search. In general to search for a contact in a list written down, the person has to search for that contact manually. But in a digital management he can simply see the names scrolling down. This is much faster than manually searching for the word in a physical book.

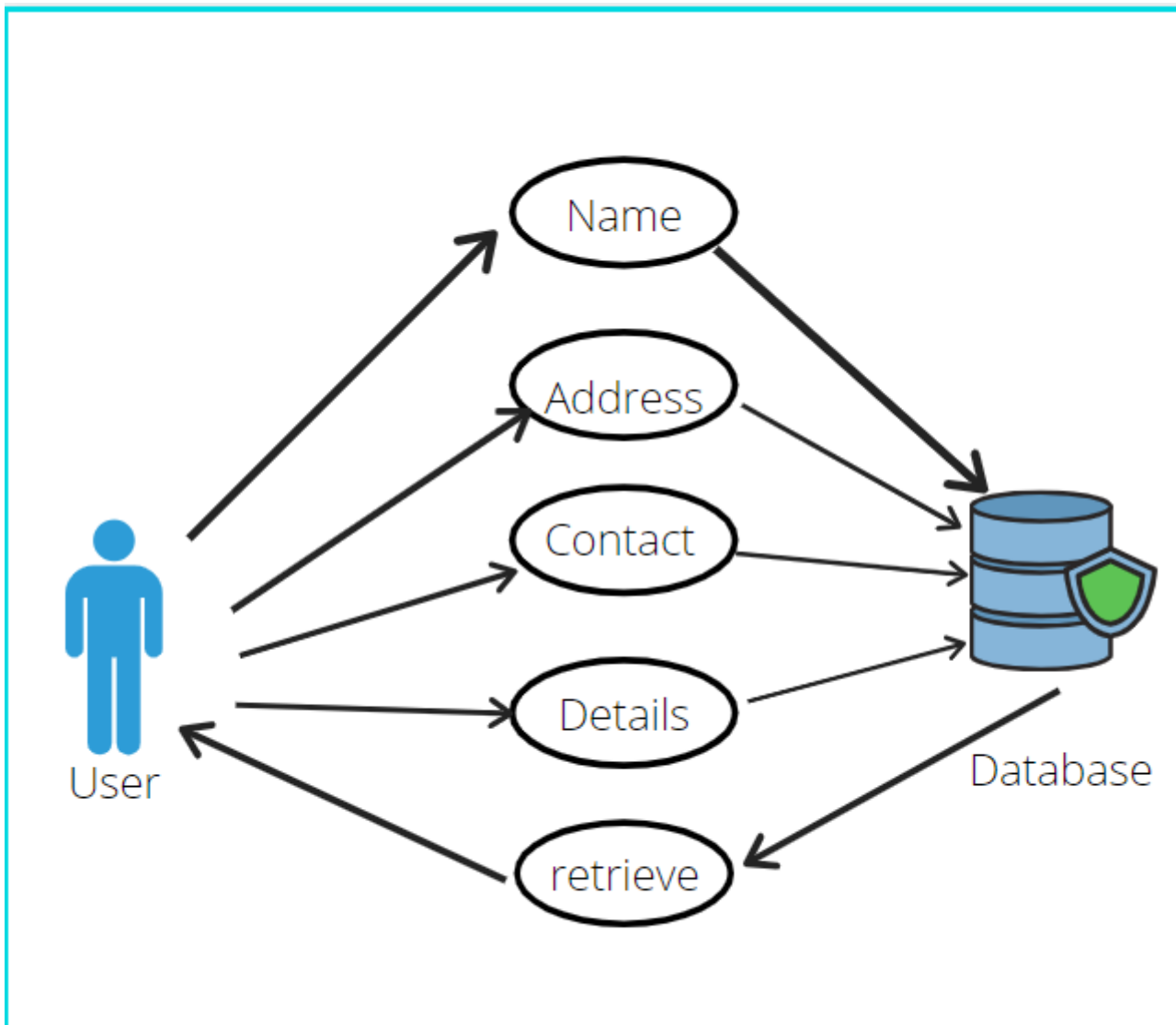
At the end of project, a prototype of justified contact management will be developed which will allow names and numbers in case the entered number and contact is not entered in the database

4. OBJECTIVE

The main objective of this project is to develop a contact application that makes it easy to search for contacts. This is application will eliminate the time spent on searching for contacts, as computer saves the contact details. The user can simply enter a contact details and save the details permanently or delete as their wish.

5. METHODOLOGY

5.1 USE CASE DIAGRAM



Working:

- This application uses one database: To store users data
- First it will ask user to enter contact name, gender, address, and contact
- After which it will allow the user to view the contact saved

6. SQL QUERIES

- **SELECT * FROM 'member' ORDER BY 'lastname'**

- **To get insert:**

INSERT INTO 'member' (firstname, lastname, gender, age, address, contact) VALUES (?, ?, ?, ?, ?)"

- **To update recent search list:**

UPDATE data SET word2=word1 WHERE name=\$username

UPDATE data SET word3=word2 WHERE name=\$username

UPDATE data SET word1=\$new_word WHERE name=\$username

7. SOFTWARE REQUIREMENTS

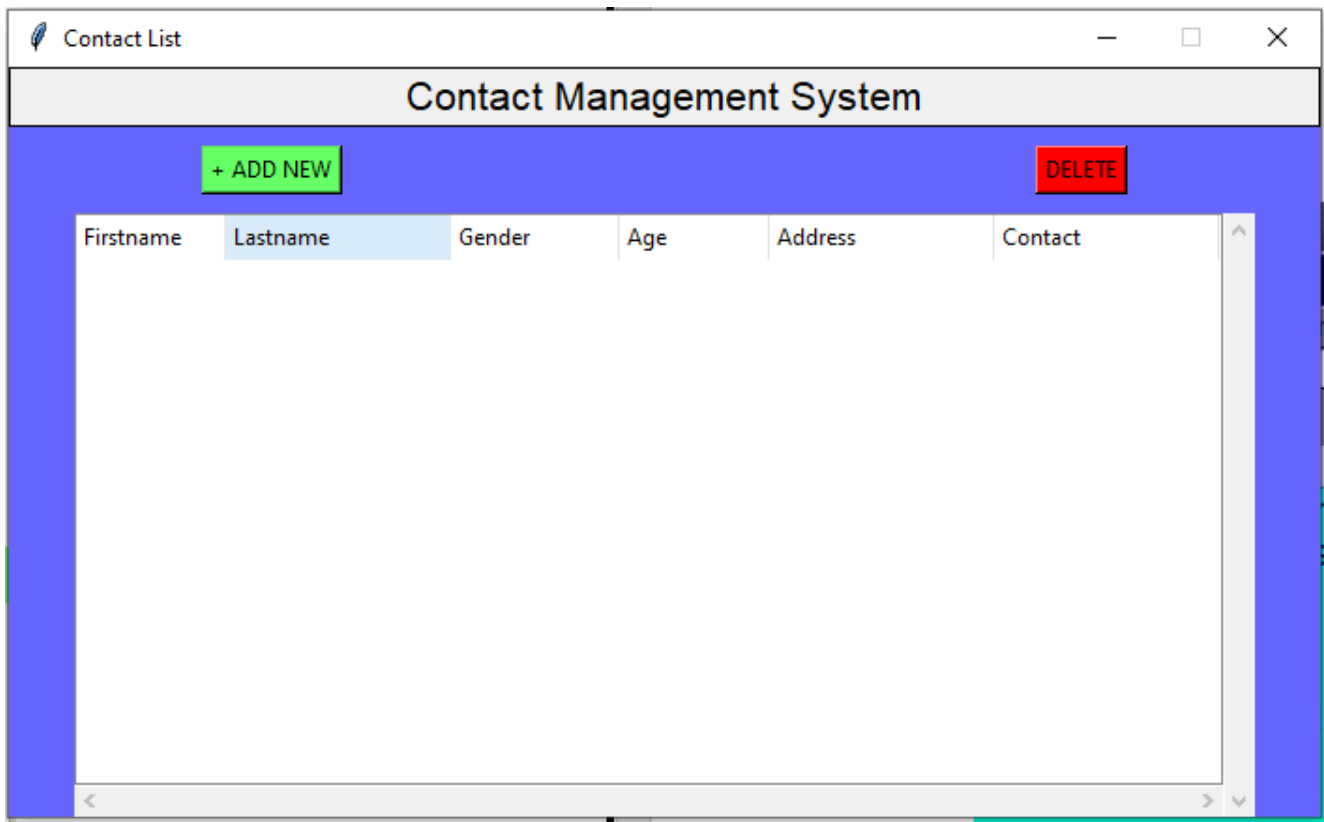
1. Python3 interpreter with necessary packages installed
2. Sqlite3
3. Tkinter
4. json
5. Difflib

8. HARDWARE REQUIREMENTS

1. Computer with 8/4 GB RAM

9.RESULT

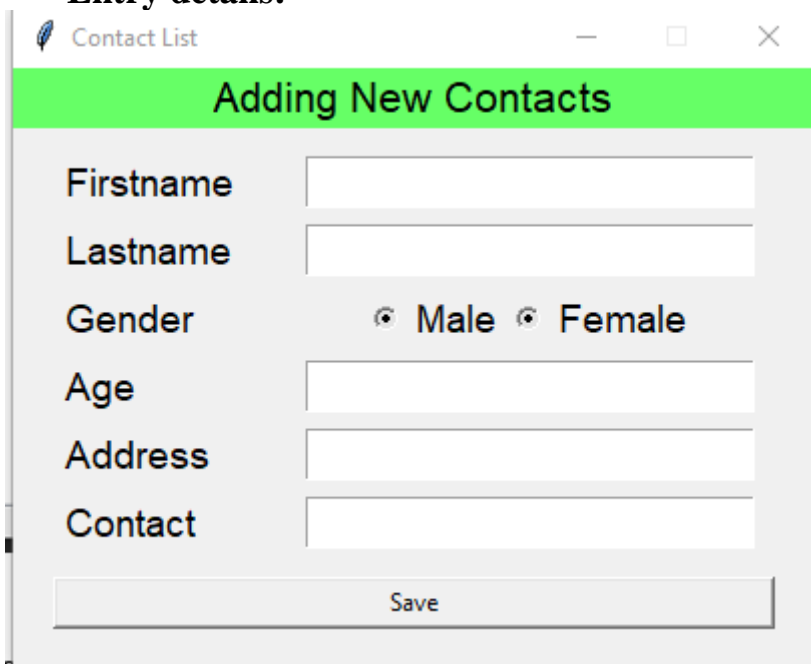
Main screen:



The screenshot shows a web application window titled "Contact List". The main content area has a blue background and contains a table with the following headers: Firstname, Lastname, Gender, Age, Address, and Contact. Above the table, there is a green button labeled "+ ADD NEW" and a red button labeled "DELETE". The table is currently empty.

Firstname	Lastname	Gender	Age	Address	Contact
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Entry details:



The screenshot shows a web application window titled "Contact List" with a sub-header "Adding New Contacts". The form contains the following fields: Firstname, Lastname, Gender (with radio buttons for Male and Female), Age, Address, and Contact. A "Save" button is located at the bottom of the form.

Firstname:

Lastname:

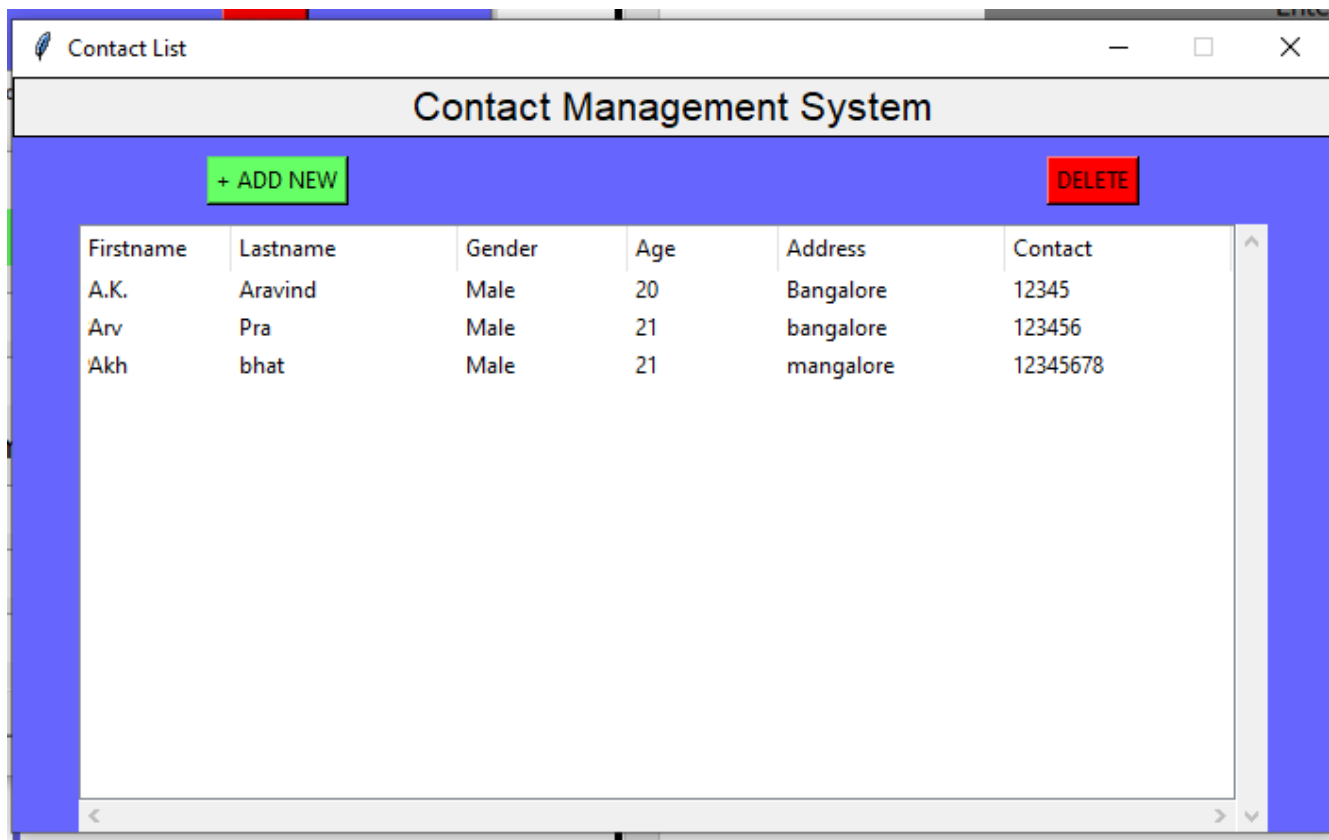
Gender: ☐ Male ☐ Female

Age:

Address:

Contact:

Saved results:



The screenshot shows a web application window titled "Contact List" with a standard Windows-style title bar. The main content area has a blue header bar with the text "Contact Management System". Below the header, there are two buttons: a green "+ ADD NEW" button on the left and a red "DELETE" button on the right. Below these buttons is a table with six columns: "Firstname", "Lastname", "Gender", "Age", "Address", and "Contact". The table contains three rows of data. The first row has values: "A.K.", "Aravind", "Male", "20", "Bangalore", and "12345". The second row has values: "Arv", "Pra", "Male", "21", "bangalore", and "123456". The third row has values: "Akh", "bhat", "Male", "21", "mangalore", and "12345678". The table has a vertical scrollbar on the right side.

Firstname	Lastname	Gender	Age	Address	Contact
A.K.	Aravind	Male	20	Bangalore	12345
Arv	Pra	Male	21	bangalore	123456
Akh	bhat	Male	21	mangalore	12345678

8. CONCLUSION

The project has been successfully completed. We are able to save contact details. It saves names, addresses, and gender if required.

9. REFERENCES

- <https://www.geeksforgeeks.org/>
- <https://www.github.com>
- <https://www.sqlitetutorial.net/>
- <https://www.youtube.com/watch?v=HXV3zeQKqGY&t=5s>
- <https://www.tutorialspoint.com/index.htm>