A telephone directory system using python

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ABSTRACT: Phone Book system is a small web application developed for project. In older days we stored all our important contact details in books and papers. Here we proposed a new system using this application we can store all the details in central repository. In manual method if we forget information book then it very difficult to get the contact details. By using this application, we can see our contacts anywhere in the world, here we will have security to the login page and no one can see our contacts with out proper authentication. In this project we can save our contacts, address and we can search them by name and also, we can see all them at a time. This system is developed using the general required by the user while using the phone directory book.in order to keep updated the phone book directory, the admin will have the authorityto add and delete as well as modify the existing records within the phone book directory. The user will only have the authority to search any particular and listing details of all available records.

KEYWORDS: Directory information, Mixed-initiative dialogue, Database constraints Dialogue history, GPS, User behaviour.

I. INTRODUCTION

[4]A telephone directory (also called a telephone book and A telephone directory) is a listing of telephone subscribers in a geographical area book or subscribers to services provided by the organization that publishes the directory. It consists of the name as well as the telephone number of people added as contact in the directory. Telephone number of people added as contact in the directory. Name and telephone number Name and telephone number are displayed in alphabetical order. Its purpose is to allow the telephone number of a subscriber identified by name and address to be found. Telephone directory system is an application-based project. It is designed for people to store the information about their contacts. Rather than going through the pages of their diaries and copies to search a person information, a person can simply use this software to view any of his stored contact. The user can also add or update or delete the contact information according to his need. Big Organizations need to have this software in order to keep the records of thousands of his employees at one place without any paper work. Also registers maintained for this purpose can be left around, or can be destroyed in any accident, but in software no such problem will occur This software also provides an option to connect to facebook, it al so provides the report, you can also view people through various groups

II. APPLICABILITY

The application is to be deployed as an application-based program which would be accessible to the issued people only. Searching of contacts can be done and nothing can be done without entering in the software as it is password protected. Reports are generated electronically and could be converted into pdf files for later use and can be kept as a record on client side.

III. OBJECTIVE

[2]The main objective of this Telephone Directory System python project is to store the contact details of the desired persons in a database. It is a friendly easy to use interface developed in python as the back end to store the details. This application stores all the details like name, telephone number, email in a database. This system was developed to reduce the errors that creep up in manual systems. It was very difficult to store all the details manually there such a system was developed. This software also allows to edit, update and search various contact details. It is secure, easy to use and reliable software system. It also provides a good level of security as there is an admin who can only edit and update details. Earlier where there was only a manual system which required a lot of paperwork but now an automated system is developed which meet all the requirements.

IV. EXISTING SYSTEM

Customer needs more convenient way to get their required results in proper time. In today's era where technology plays a vital role in each person life, they are bound to use the old-fashioned manual book to search any particular record. Even the publishers have to print the new records in their new volume and published each year. Customers always gets irritated to pay amount for new volume in each year. Even searching process of particular record is also one big problem for the customers, they have to first go through the index page to details on alphabetical letter and after that they have to go through the various pages using page number to get their desired results which also a time-consuming process.

V. PROPOSED SYSTEM

Under this new system all the functionality has been added to meet the customer requirements in just few seconds. To provide the desired result on time, binary search method has been used to produce results on minimal time. As customers do not have to purchase new volumes each year and they do not have to wait for the new year to get updated records. As the new customers details will be updated by the admin side, so users will able to get updated information each time. To eliminate data redundancy and perform validation process background codes by the class will responsible to do this task. If admin will make any mistake while entering they will be given a warning along with correction which is required to be made.

VI. PARAMETER INVOLVED

[1]• initial_phonebook() : The first function to run, it initializes the phonebook.
• menu() : It displays the choices available to the user and returns the choice entered.
• add_contact() : It adds a new contact to the Contacts directory.
• remove_existing() : It removes an existing contact from the Contacts directory.
• delete_all() : It deletes all the contacts from the Contacts directory.
• display_all() : It displays all the contacts from the Contacts directory.
• search_existing() : It will search and display an existing contact in the Contacts director

VII. FEATURES

The features of telephone directory system are mainly related to adding, listing, searching, modifying and deleting telephone directory-related

records. All these operations are done through file handling, i.e., all the added and modified data are recorded in file, and the deleted information are removed from the program file.
[3]The information contained in the telephone directory records are the name, phone number and address of the person whose record is entered in the telephone directory system project in python. So, the simple file handling cum telephone directory operations users can perform in this project are:
Add telephone records
Show records
Modify records
Search telephone records
Delete records

VIII. FLOW CHART

Figure 1-flowchart of telephone directory system

IX. RESULT

X. FUTURE ENHANCEMENTS

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be online.
- Because it is based on object-orientated design, any further changes can be easily adaptable.
- GPS can be added.
- Based on future security issues, security can be improved using emerging technologies.

XI. CONCLUSION

This application software is user friendly, and has required options, which can be utilised by the use to perform the desired operations.

The goals that are achieved by the software are

- Optimum utilization of resources.
- Efficient management of records.
- Simplification of the operations.
- Less processing time and getting required information.
- User friendly.
- Portable and flexible for further enhancements.

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