Contact Book Management System

This Contact Management System allows users to add, view, search, delete, and manage contacts. It also provides the ability to mark contacts as favorites, import/export contacts, and toggle between dark and light mode. The system includes a dialer feature for calling contacts directly.

Features

- Add, View, Edit, and Delete Contacts
- Mark Contacts as Favorites
- Search Contacts by Name, Phone, or Group
- Import and Export Contacts in CSV Format
- Toggle Between Dark and Light Mode
- Dialer to Call Contacts

Technologies Used

- Python
- Tkinter (for GUI)
- JSON (for storing contacts)
- CSV (for importing and exporting contacts)

Code Explanation

The system is built using Python with Tkinter as the GUI toolkit. It uses JSON to save contact data persistently and CSV for importing and exporting contacts. The user interface has buttons for each functionality, and the layout is designed to be simple and user-friendly.

Here is an overview of the code:
- The main menu includes buttons for each feature like adding contacts, viewing details, and searching.
- The contacts are stored in a JSON file and loaded at the start.
- The dialer allows users to input a phone number and 'dial' it.
- The system also includes a dark mode toggle.

Code Overview

Contact Management Functions

This section includes functions to add, view, search, delete, and manage contacts in the list. The contact list is displayed in a Listbox widget, and the contacts are stored in a JSON file for persistence.

Dialer Functions

This section includes the dialer functionality, which allows users to input a phone number and simulate dialing it.

UI Layout and Button Arrangement

The UI layout includes a grid layout for the buttons, grouping similar actions together. This ensures a visually appealing and organized interface for the user.

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