Console Assisnant
ver. 1.0.0
GoIT, Team-9

1 Console Assistant

Console Assistant is a `python 3.x`-based command-line program that allows you to manage your contacts and notes.

The assistant saves contacts and notes to the folder of the current user. For example, in `Windows` is a folder `C:\Users\<Usaer>\` with names

- `contacts.bin`
- `notes.bin`

respectively.

1.1 Install and Run Assistant

- Clone repository `https://github.com/sergiokapone/project-team-9_console_helper.git`
- Create virtual environment in folder contains `setup.py`
- Type `activete.cmd` in command line.
- To install a module in a virtual environment, type the `install.cmd` in console.
- To start the assistant, type `assistant` in console.

1.2 Commands

1.2.1 Hello and welcome commands

- `help`: Displays a list of available commands and their descriptions.
- `hello`: Greets the user.
- `good bye`, `close`, `exit`: Exits the program with saving data.
- `.`: exits the program without messages with saving data.
- `*`: exits the program without messages without saving data.

1.2.2 Manage contacts commands

- `add contact`: Add a contact to the address book.
- `set phone`: Allows the user to set their phone number.
- `remove phone`: Removes the user phone number.
- `set email`: Allows the user to set their email address.
- `remove email`: Removes the user email.
- `set address`: Allows the user to set their address.
- `remove address`: Removes the user address.

- `set birthday`: Allows the user to set their birthday.
- `upcoming birthdays`: Shows the list of upcoming birthdays.
- `show contacts`: Shows the list of saved contacts.
- `show contact`: Shows the details of a specific contact.
- `search contact`: Searches for a specific contact by name.
- `remove contact`: Removes a contact from the list.
- `save`: save contacts to file.
- `load`: load contacts from file.

1.2.3 Sorting Folder

- `sort folder`: Sort folder.

1.2.4 Manage notes commands

- `add note`: Adds a note.
- `show notes`: Shows the list of saved notes.
- `search notes`: Searches for a specific note by title or date.
- `remove note`: Removes a note from the list.
- `save notes`: Saves the notes to a file.
- `load notes`: Loads the notes from a file.
- `change note`: Edit note by index.
- `remove tag`: Removes Tag for specified note index.

1.3 Usage Examples

1.3.1 Sort folder

- `>>> sort folder D:\MyGarbage\` — sort files in folder `D:\MyGarbage\`

1.3.2 Manage contacts

To manage contacts in your address book, You can type commands by following examples:
- `>>> show contacts` — shows table of contacts in address book.
- `>>> show contacts 3` displaying contacts in chunks of 3 items, 20 is by default
- `>>> add contact Username` — add empty contact `Username` to the address book.
- `>>> add contact Someone 03.05.1995 his_mail@i.ua` — add contact `Someone` to the address book with date of birthday `03.05.1995` and email `his_mail@i.ua`[1].
- `>>> set phone Username 0935841245` — add phone[2] to contact `Username` in address book.
- `>>> set birthday Username 12.12.1978` — add birthday[3] to contact `Username` in address book.
- `>>> set email my_name@gmail.com` — add email[4] `my_name@gmail.com` to contact `Username` in address book.
- `>>> upcoming birthdays 5` — shows contacts with upcoming birthdays within 5 days.
- `>>> show contact Username` — show contact `Username` information.

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[1]Order doesn't matter.
[2]If the contact is missing, it will be added automatically.
[3]If the contact is missing, it will be added automatically.
[4]If the contact is missing, it will be added automatically.

- `>>> search contact SearchQuery` — where `SearchQuery` some word or number for searching.
- `>>> remove contact Username` — remove contact `Uresname`
- `>>> remove phone Username 1` — remove user phone by index 1.
- `>>> remove email Username 2` — remove user email by index 2.

1.3.3 Manage notes

To manage contacts in your address book, You can type commands by following examples:
- `>>> show notes` — just show all notes.
- `>>> show notes Rec` — show all notes with tag `Rec`.
- `>>> show notes 3` — displaying notes in chunks of 3 items.
- `>>> add note Tag Text of your note` — add note with `Tag`[5] and text `Text of your note`.
- `>>> add tag 1 Mytag` — add tag `Mytag`[6] to note with index 1.
- `>>> remove tag 4 Tag` — removes `Tag` for note with index 4.
- `>>> change note 1 New text` — change note 1 with `New text`.
- `>>> remove note 2` — remove note with index 2.

1.3.4 Exit program

To exit the program just type following commands[7]:
- `>>> good bye`
- `>>> close`
- `>>> exit`

    Another possibility to exit without any messages is typing dot:
- `>>> .`

    Upon subsequent program entry, the data will be loaded automatically.

    But if you type * the application exit without saving your data:
- `>>> *`

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[5]When creating a note, you can assign only one single-word tag. You can add subsequent tags with `add tag` command.

[6]Tag cannot be a number.

[7]After executing the specified commands, the application will save your data automatically.