
A Caring Book

User Guide for A Caring Book (TP T12-2)

A Caring Book is a **desktop app designed for Patient Care Coordinators to manage patient and staff contact details efficiently**. Optimized for use via a Command Line Interface (CLI) while retaining the benefits of a Graphical User Interface (GUI), A Caring Book enables faster contact management compared to traditional GUI apps, especially for users who type quickly.

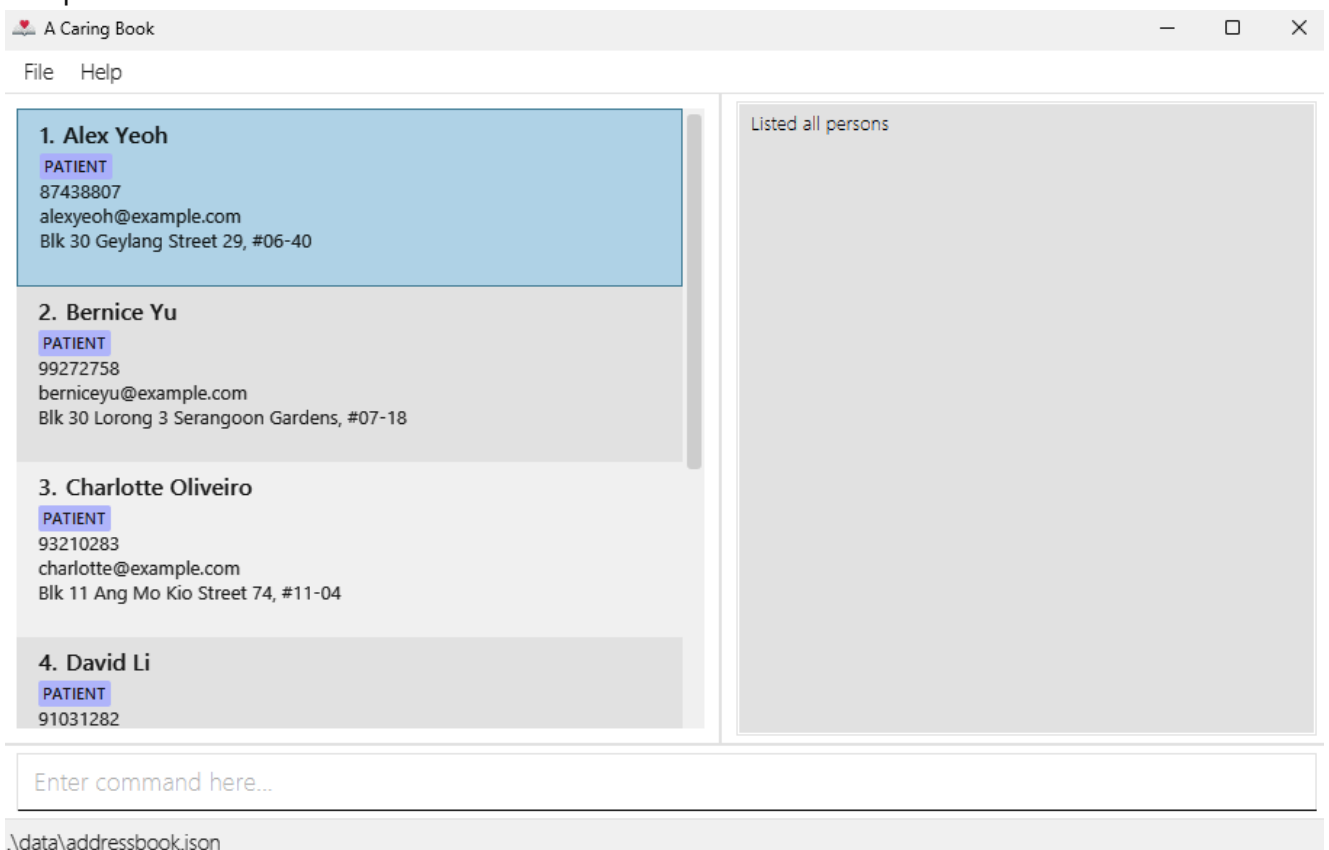
Unlike conventional systems that require manual entering of details for each category (e.g. Name, Phone, Department), A Caring Book streamlines the process with `addpatient` and `addstaff` commands. Filtering commands such as `find`, `findstaff` and `finddep` allow for quick lookup, particularly in emergency situations, making contact management more efficient. A Caring Book also employs the use of shortcut commands, which further elevates the user experience.

- [Quick start](#)
- [Features](#)
 - Viewing help : `help`
 - Adding a patient: `addpatient`
 - Adding a staff: `addstaff`
 - Listing all persons : `list`
 - Listing all patients : `listpatient`
 - Listing all staffs : `liststaff`
 - Editing a person : `edit`
 - Locating person by name: `find`
 - Locating a contact by department: `finddep`
 - Locating a healthcare provider by role: `findstaff`
 - Adding remark to a person : `remark`
 - Deleting a person : `delete`
 - Select a contact to view details : `select`
 - Toggle between light and dark mode : `toggletheme`
 - Clearing all entries : `clear`
 - Exiting the program : `exit`
 - Saving the data
 - Editing the data file
- [FAQ](#)
- [Known issues](#)

- [Command summary](#)

Quick start

1. Ensure you have Java `17` or above installed in your Computer. To check your local Java version, open a command terminal, type `java --version` and press Enter.
Mac users: Ensure you have the precise JDK version prescribed [here](#).
2. Download the latest `.jar` file from [here](#).
3. Copy the file to the folder you want to use as the *home folder* for your A Caring Book app.
4. In the command terminal, `cd` into the folder you put the jar file in, and use the `java -jar acaringsbook.jar` command to run the application.
A GUI similar to the below should appear in a few seconds. Note how the app contains some sample data.



5. You can toggle between Light and Dark mode by clicking on "File" in the top left corner of the app window, and select or deselect the option "Dark Mode". Alternatively, type `tt` and press Enter to toggle between modes.
6. Type the command in the command box and press Enter to execute it. e.g. typing `help` and pressing Enter will open the help window.
Some example commands you can try:

- `liststaff` : Lists all staffs.
- `listpatient` : Lists all patients.
- `list` : Lists all contacts.
- `addstaff r/doctor n/Mary Jane p/9929126 e/maryJ@example.com a/Spider street, block 333, #03-03` : Adds a doctor named `Mary Jane` to the Address Book.
- `addpatient n/John Doe p/98765432 e/johnd@example.com a/John street, block 123, #01-01 dr/Dr Mak nn/Mrs Doe dp/Conology` : Adds a patient named `John Doe` to the Address Book.
- `remark 3 rm/Needs wheelchair` : Remarks that the 3rd contact shown in the current list needs a wheelchair.
- `delete 3` : Deletes the 3rd contact shown in the current list.
- `toggletheme` : Toggles between light and dark mode.
- `clear` : Deletes all contacts.
- `exit` : Exits the app.

Refer to the [Features](#) below for details of each command.

Features

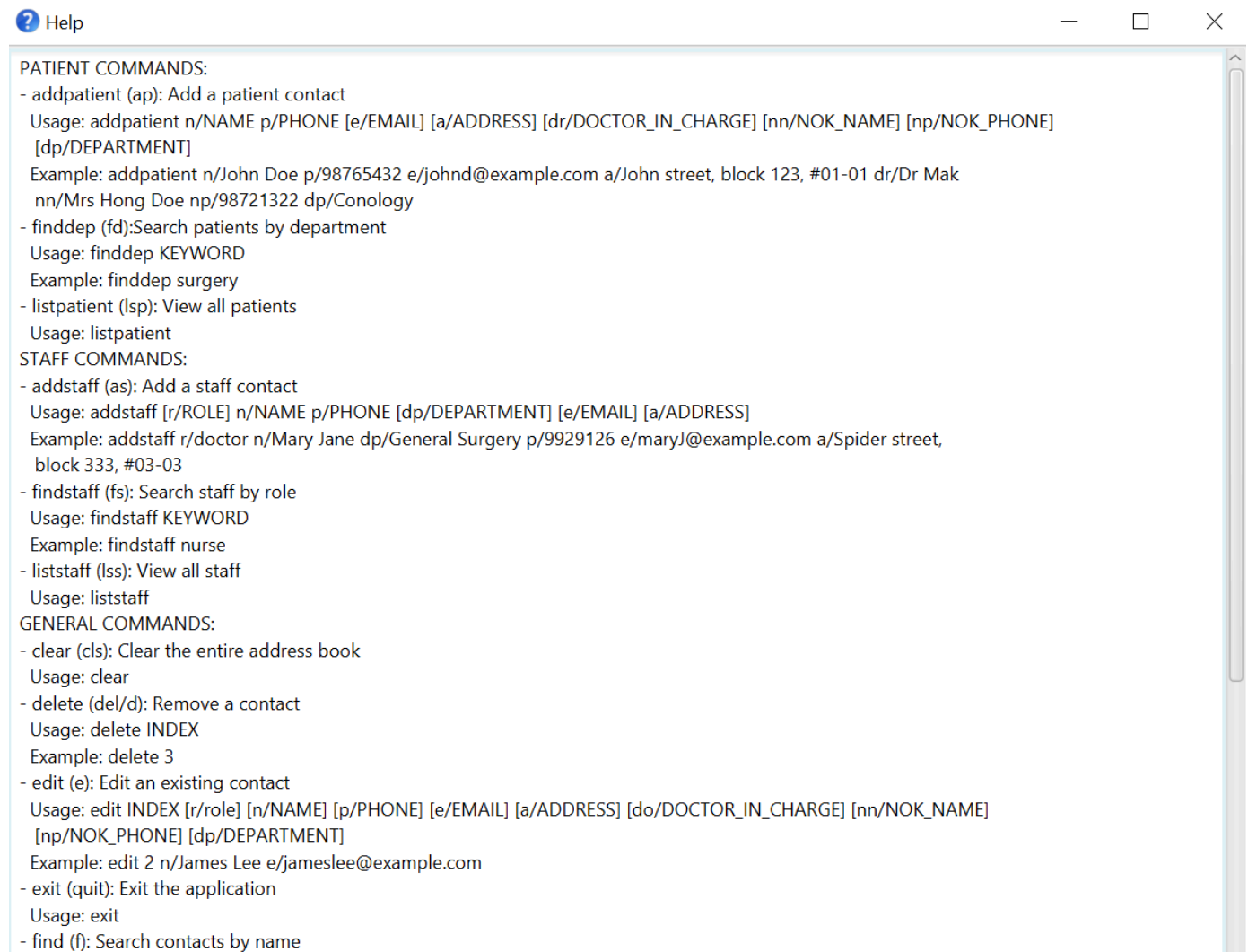
i Notes about the command format:

- Words in `UPPER_CASE` are the parameters to be supplied by the user.
e.g. in `addpatient n/NAME`, `NAME` is a parameter which can be used as `addpatient n/John Doe`.
- Items in square brackets are optional.
e.g. `n/NAME [e/EMAIL]` can be used as `n/John Doe e/JohnDoe@gmail.com` or as `n/John Doe`.
- Parameters can be in any order.
e.g. if the command specifies `n/NAME p/PHONE`, `p/PHONE n/NAME` is also acceptable.
- Extraneous parameters for commands that do not take in parameters (such as `help`, `list`, `exit` and `clear`) will be ignored.
e.g. if the command specifies `help 123`, it will be interpreted as `help`.

- If you are using a PDF version of this document, be careful when copying and pasting commands that span multiple lines as space characters surrounding line-breaks may be omitted when copied over to the application.

Viewing help : `help`

Shows a full list of available commands including shortcuts, descriptions and example usages.



```
? Help
PATIENT COMMANDS:
- addpatient (ap): Add a patient contact
  Usage: addpatient n/NAME p/PHONE [e/EMAIL] [a/ADDRESS] [dr/DOCTOR_IN_CHARGE] [nn/NOK_NAME] [np/NOK_PHONE]
  [dp/DEPARTMENT]
  Example: addpatient n/John Doe p/98765432 e/johnd@example.com a/John street, block 123, #01-01 dr/Dr Mak
  nn/Mrs Hong Doe np/98721322 dp/Conology
- finddep (fd): Search patients by department
  Usage: finddep KEYWORD
  Example: finddep surgery
- listpatient (lsp): View all patients
  Usage: listpatient
STAFF COMMANDS:
- addstaff (as): Add a staff contact
  Usage: addstaff [r/ROLE] n/NAME p/PHONE [dp/DEPARTMENT] [e/EMAIL] [a/ADDRESS]
  Example: addstaff r/doctor n/Mary Jane dp/General Surgery p/9929126 e/maryj@example.com a/Spider street,
  block 333, #03-03
- findstaff (fs): Search staff by role
  Usage: findstaff KEYWORD
  Example: findstaff nurse
- liststaff (lss): View all staff
  Usage: liststaff
GENERAL COMMANDS:
- clear (cls): Clear the entire address book
  Usage: clear
- delete (del/d): Remove a contact
  Usage: delete INDEX
  Example: delete 3
- edit (e): Edit an existing contact
  Usage: edit INDEX [r/role] [n/NAME] [p/PHONE] [e/EMAIL] [a/ADDRESS] [do/DOCTOR_IN_CHARGE] [nn/NOK_NAME]
  [np/NOK_PHONE] [dp/DEPARTMENT]
  Example: edit 2 n/James Lee e/jameslee@example.com
- exit (quit): Exit the application
  Usage: exit
- find (f): Search contacts by name
```

Format: `help`

Shortcut command: `h`

Adding a patient: `addpatient`

Adds a patient to the address book.

Format: `addpatient n/NAME p/PHONE [e/EMAIL] [a/ADDRESS] [dr/DOCTOR_IN_CHARGE] [nn/NOK_NAME] [np/NOK_PHONE] [dp/DEPARTMENT]`

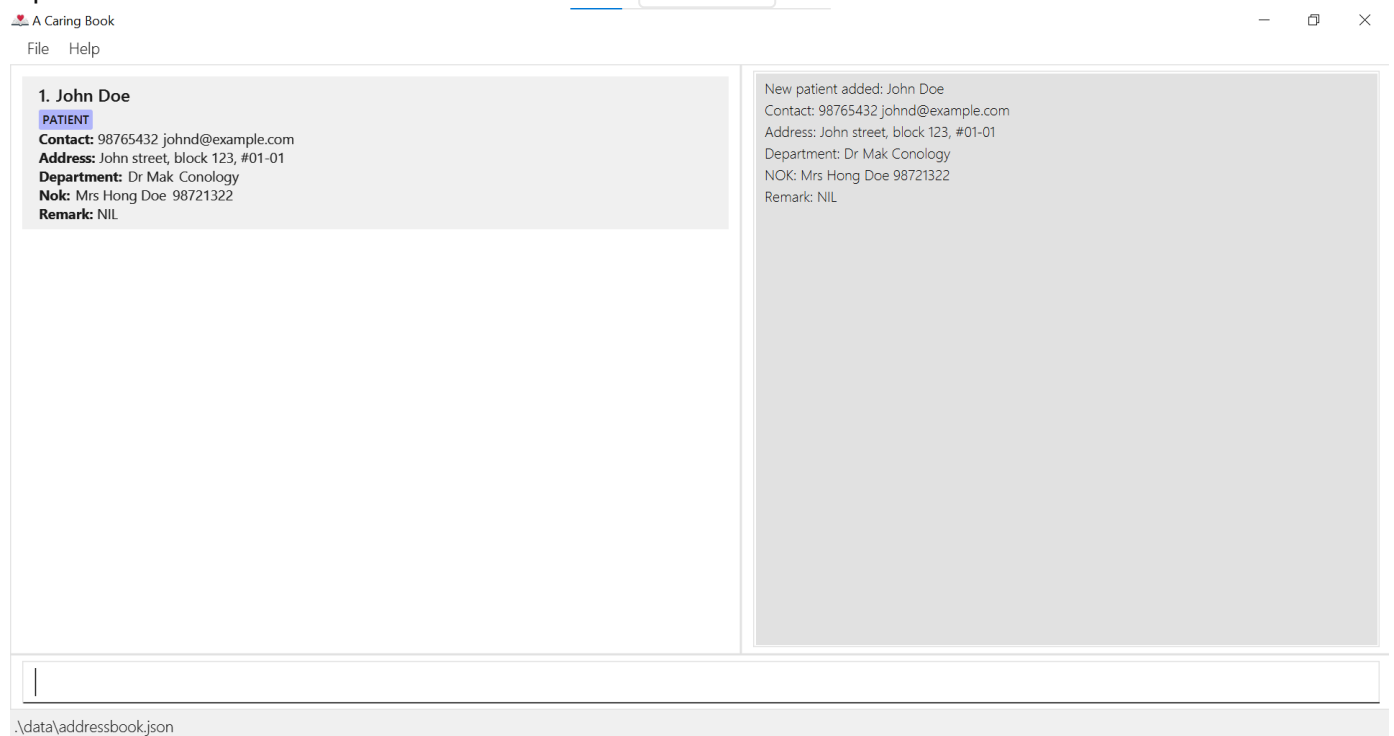
Examples:

- `addpatient n/John Doe p/98765432 e/johnd@example.com a/John street, block 123, #01-01 dr/Dr Mak nn/Mrs Hong Doe np/98721322 dp/Conology`
- `addpatient n/Betsy Crowe e/betsycrowe@example.com a/Newgate Prison p/1234567 dr/Dr Teo nn/Mr Bui Crowe np/98268642 dp/Conology`

Shortcut command: `ap`

Expected output:

Upon successful addition, the details for the `Patient` will be shown like so



Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Adding a staff: `addstaff`

Adds a staff to the address book.

Format: `addstaff [r/ROLE] n/NAME p/PHONE [dp/DEPARTMENT] [e/EMAIL] [a/ADDRESS]`

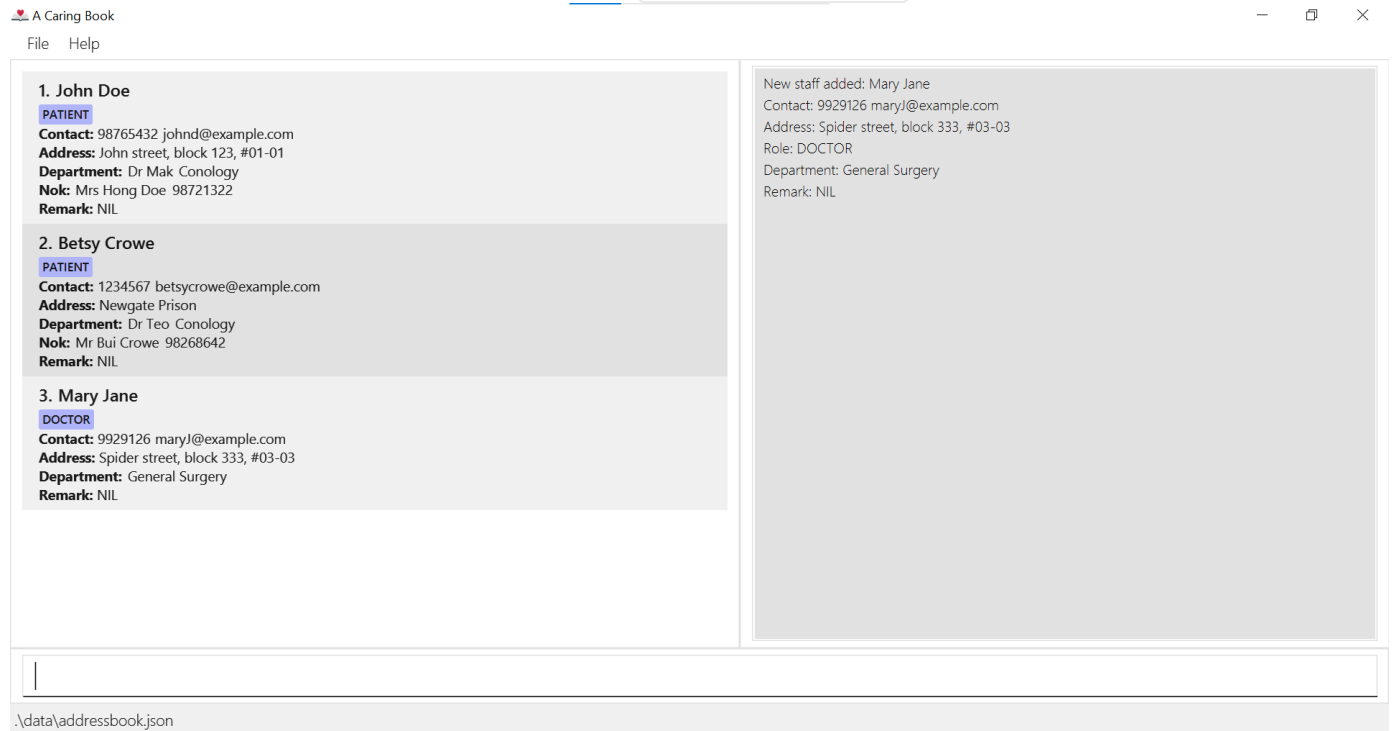
Examples:

- `addstaff r/doctor n/Mary Jane dp/General Surgery p/9929126 e/maryJ@example.com a/Spider street, block 333, #03-03`
- `addstaff r/nurse n/Mark Markerburg dp/Emergency p/99137653 e/theMUCK@example.com a/Zaney street, block 666, #01-06`

Shortcut command: `as`

Expected output:

Upon successful addition, the details for the `HealthcareStaff` will be shown like so



Warning:

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Listing all persons : `list`

Shows a list of all persons in the address book.

Format: `list`

Shortcut command: `ls`

Expected output: Listed all persons

Listing all patients : `listpatient`

Shows a list of all patients in the address book.

Format: `listpatient`

Shortcut command: `lsp`

Expected output: Listed all patients

Listing all staffs : `liststaff`

Shows a list of all staff in the address book.

Format: `liststaff`

Shortcut command: `lss`

Expected output: Listed all staff

Editing a person : `edit`

Edits an existing person in the address book.

Format: `edit INDEX [r/role] [n/NAME] [p/PHONE] [e/EMAIL] [a/ADDRESS]
[do/DOCTOR_IN_CHARGE] [nn/NOK_NAME] [np/NOK_PHONE] [dp/DEPARTMENT]`

- Edits the person at the specified `INDEX`. The index refers to the index number shown in the displayed person list. The index **must be a positive integer** 1, 2, 3, ...
- At least one of the optional fields must be provided.
- Existing values will be updated to the input values.
- Role field is only available for healthcare staff, doctor_in_charge, nok_name, nok_phone and department fields are only available for patients.

Examples:

- `edit 1 p/91234567 e/johndoe@example.com` Edits the phone number and email address of the 1st person to be `91234567` and `johndoe@example.com` respectively.

Shortcut command: `e`

Expected output:

Upon successful addition, the details for the edited `Person` will be shown like so

A Caring Book

File Help

1. John Doe
PATIENT
Contact: 91234567 johndoe@example.com
Address: John street, block 123, #01-01
Department: Dr Mak Conology
Nok: Mrs Hong Doe 98721322
Remark: NIL

2. Betsy Crowe
PATIENT
Contact: 1234567 betsycrowe@example.com
Address: Newgate Prison
Department: Dr Teo Conology
Nok: Mr Bui Crowe 98268642
Remark: NIL

3. Mary Jane
DOCTOR
Contact: 9929126 maryj@example.com
Address: Spider street, block 333, #03-03
Department: General Surgery
Remark: NIL

4. Mark Markerburg
NURSE
Contact: 99137653 theMUCK@example.com
Address: Zaney street, block 666, #01-06
Department: Emergency
Remark: NIL

Edited Person: John Doe
Contact: 91234567 johndoe@example.com
Address: John street, block 123, #01-01
Department: Dr Mak Conology
NOK: Mrs Hong Doe 98721322
Remark: NIL

.\data\addressbook.json

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Locating person by name: `find`

Finds a list of `Person` (which can be `Patient` or `HealthcareStaff`) whose names contain any of the given keywords.

Format: `find KEYWORD [MORE_KEYWORDS]`

- The search is case-insensitive. e.g. `hans` will match `Hans`
- The order of the keywords does not matter. e.g. `Hans Bo` will match `Bo Hans`
- Only the name is searched.
- Partial words will be matched e.g. `Han` will match `Hans`
- Persons matching at least one keyword will be returned (i.e. `OR` search). e.g. `Hans Bo` will return `Hans Gruber`, `Bo Yang`

Examples and expected outputs:

- `find John` returns `john` and `John Doe`

- `find alex charlotte` returns `Alex Yeoh`, `Charlotte Oliveiro`

1. Alex Yeoh

PATIENT

87438807

alexyeoh@example.com

Blk 30 Geylang Street 29, #06-40

2. Charlotte Oliveiro

PATIENT

93210283

charlotte@example.com

Blk 11 Ang Mo Kio Street 74, #11-04

2 persons listed!

Shortcut command: `f`

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Locating a contact by department: `finddep`

Finds a list of `Person` (including both `Patient` and `HealthcareStaff`) whose departments match with the keyword.

Format: `finddep KEYWORD [MORE_KEYWORDS]`

- The search is case-insensitive. e.g. `Conology` will match `conology`
- Only the department of the contact is searched.
- Partial words will be matched e.g. `con` will match `conology`.
- All contacts in the department will be returned e.g. `finddep conology` will return a list of Conology patients and doctors.

Examples and expected outputs:

If these two commands are executed,

- `addpatient n/John Doe p/98765432 e/johnd@example.com a/John street, block 123, #01-01 dr/Dr Mak nn/Mrs Hong Doe np/98721322 dp/Conology`
- `addpatient n/Betsy Crowe e/betsycrowe@example.com a/Newgate Prison p/1234567 dr/Dr Teo nn/Mr Bui Crowe np/98268642 dp/Conology`

then

- `finddep conology` returns `John Doe` and `Betsy Crowe`.

Shortcut command: `fd`

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Locating a healthcare provider by role: `findstaff`

Find a list of `HealthcareStaff` whose roles matches with the keyword.

Format: `findstaff KEYWORD [MORE_KEYWORDS]`

- The search is case-insensitive. e.g. `Doctor` will match `doctor`
- Only the role of the healthcare provider is searched.
- Partial words will be matched e.g. `doc` will match `doctor`.
- All healthcare staff matching the role will be returned e.g. `findstaff doctor` will return a list of all doctors.

Examples and expected outputs:

If these two `addstaff` commands are executed,

- `addstaff r/doctor n/Mary Jane dp/General Surgery p/9929126 e/maryJ@example.com a/Spider street, block 333, #03-03`
- `addstaff r/nurse n/Mark Markerburg dp/Emergency p/99137653 e/theMUCK@example.com a/Zaney street, block 666, #01-06`

then

- `findstaff doctor` returns `Mary Jane`
- `findstaff nurse` returns `Mark Markerburg`
- `fs doctor nurse` returns `Mary Jane` and `Mark Markerburg`.

Shortcut command: `fs`

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Adding remark to a person : `remark`

Adds or updates the remark of the specified person from the address book.

Format: `remark INDEX rm/REMARK`

- Adds or updates the remark of the person at the specified `INDEX`.
- The index refers to the index number shown in the displayed person list.
- The index **must be a positive integer** 1, 2, 3, ...

Examples:

- `list` followed by `remark 2 rm/Needs wheelchair` updates the 2nd person in the address book.
- `find Betsy` followed by `remark 1 rm/Banana allergy` updates the 1st person in the results of the `find` command.
- `remark 3 rm/` clears the remark for the 3rd person.

Shortcut command: `re`

Expected output:

Remark field will be updated immediately and details of the Person will be shown on the right side of the screen.

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Deleting a person : `delete`

Deletes the specified person from the address book.

Format: `delete INDEX`

- Deletes the person at the specified `INDEX`.
- The index refers to the index number shown in the displayed person list.
- The index **must be a positive integer** 1, 2, 3, ...

Examples:

- `list` followed by `delete 2` deletes the 2nd person in the address book.
- `find Betsy` followed by `delete 1` deletes the 1st person in the results of the `find` command.

Shortcut command: or

Expected output:

The details of the deleted Person will be shown on the right side of the screen.

Warning:

If the user encounters the warning message "Invalid command format!" and their input turns red, they should check their input against the format and example provided on the right side of the screen.

Select a contact to view details :

Selects a or to view the details on the right side of the screen.

Format:

Shortcut command:

Toggle between light and dark mode :

Toggles between light and dark mode theme based on user preference.

Format:

Shortcut command:

Clearing all entries :

Clears all entries from the address book.

Format:

Shortcut command:

Exiting the program :

Exits the program.

Format:

Alternative command: `quit`

Saving the data

A Caring Book data are saved automatically after any command that changes the data. There is no need to save manually.

Editing the data file

A Caring Book data are saved automatically as a JSON file `[JAR file location]/data/addressbook.json`. Advanced users are welcome to update data directly by editing that data file.

! Caution: If your changes to the data file makes its format invalid, A Caring Book will discard all data and start with an empty data file at the next run. Hence, it is recommended to take a backup of the file before editing it.

Furthermore, certain edits can cause A Caring Book to behave in unexpected ways (e.g., if a value entered is outside of the acceptable range). Therefore, edit the data file only if you are confident that you can update it correctly.

FAQ

Q: How do I transfer my data to another computer?

A: First, install A Caring Book on the new computer by following the steps in the Quick Start guide. Once installed, locate the newly created data file (addressbook.json) in the app's home folder. Next, copy the addressbook.json file from your previous computer and paste it into the same location on the new computer. When prompted, confirm that you want to replace the existing file. This will transfer your data successfully.

Known issues

1. **When using multiple screens**, if you move the application to a secondary screen, and later switch to using only the primary screen, the GUI will open off-screen. The remedy is to delete

the `preferences.json` file created by the application before running the application again.

2. **If you minimize the Help Window** and then run the `help` command (or use the `Help` menu, or the keyboard shortcut `F1`) again, the original Help Window will remain minimized, and no new Help Window will appear. The remedy is to manually restore the minimized Help Window.

Command summary

Action	Format, Examples
Add Patient	<code>addpatient n/NAME p/PHONE [e/EMAIL] [a/ADDRESS]</code> <code>[do/DOCTOR_IN_CHARGE] [nn/NOK_NAME] [np/NOK_PHONE]</code> <code>dp/DEPARTMENT]</code> e.g., <code>addpatient n/James Ho p/22224444 e/jamesho@example.com</code> <code>a/123, Clementi Rd, 1234665 dr/Dr Mak nn/Mrs Ho dp/Conology</code>
Add Staff	<code>addstaff [r/ROLE] n/NAME [dp/DEPARTMENT] p/PHONE [e/EMAIL]</code> <code>[a/ADDRESS]</code> e.g., <code>addstaff r/doctor n/James Ho dp/Internal Medicine</code> <code>p/22224444 e/jamesho@example.com a/123, Clementi Rd, 1234665</code>
Clear	<code>clear</code>
Delete	<code>delete INDEX</code> e.g., <code>delete 3</code>
Edit	<code>edit INDEX [r/ROLE] [n/NAME] [p/PHONE] [e/EMAIL] [a/ADDRESS]</code> <code>[do/DOCTOR_IN_CHARGE] [nn/NOK_NAME] [np/NOK_PHONE]</code> <code>[dp/DEPARTMENT]</code> e.g., <code>edit 2 n/James Lee e/jameslee@example.com</code>
Exit	<code>exit</code>
Find By Name	<code>find KEYWORD [MORE_KEYWORDS]</code> e.g., <code>find James Jake</code>
Find By Department	<code>finddep KEYWORD</code> e.g., <code>finddep surgery</code>

Action	Format, Examples
Find Staff By Role	<pre>findstaff KEYWORD</pre> e.g., <pre>findstaff nurse</pre>
List	<pre>list</pre>
List Patient	<pre>listpatient</pre>
List Staff	<pre>liststaff</pre>
Help	<pre>help</pre>
Remark	<pre>remark INDEX rm/REMARK</pre> e.g. <pre>remark 1 rm/Banana allergy</pre>
Select	<pre>select INDEX</pre> e.g. <pre>select 2</pre>
Toggle light/dark theme	<pre>toggletheme</pre>