User Manual

COMP3211 SOFTWARE ENGINEERING

PROJECT GROUP 19

Name:	SID:
Cheuk Hang CHEUNG	21032932D
Chun Ming FONG	21019558D
Ho Nam FAN	22110264D
Wai Tak WONG	21108992D

Content

1 Introduction

This user manual is designed for the personal information manager (PIM). The manual includes the operation guide, which enables users to understand the operation of each command. This manual also contains some wrong operations that may be occurred, and some solutions and tips are included to resolve the issue. Through this manual, users can better understand the operation of PIM and can quickly understand how to use the PIM.

2 Operation Guide

This section will provide guidance to user through the correct user input and input format, also the error prompts.

2.1 Start Manual

- Initialization Interface

```
Welcome to the Personal Information Manager (PIM)!
Enter 'help' to see the available commands.
> ▮
```

- Input format

help

- Operation Details

  User can enter *help* to see the command manual if this is their first time using. If they already knew the command, they could directly use the command.

- Help manual interface

```
Available commands:
- create: Create a new personal information record.
- search: Display the target personal information records.
- display: Display all the existing personal information records.
- modify: Modify an existing personal information record.
- delete: delete an existing personal information record.
- store: store the personal information record into a pim file.
- load: load a pim file.
- exit: Exit the program.
> ▮
```

- Input format

create/search/display/modify/delete/store/load/exit

- Wrong input

  User cannot type command other than *create/search/display/modify/delete/store/load/exit*. If user input any other command, the system will ask user to type again

```
> test
Unknown command. Enter 'help' to see the available commands.
```

2.2 Operations

2.2.1 Create

- Create interface

```
> create
Enter the record type (contact/event/plaintext/task): ▐
```

- Input format

Contact/event/plaintext/task

2.2.1.1 contact

- Create contact

```
> create
Enter the record type (contact/event/plaintext/task): contact
Enter title: contact1
Enter name: Alan
Enter address: PolyU
Enter mobile number: 98765432
ContactRecord created successfully.
```

- Input format

Enter title: Any strings of letters, digits
Enter name: Any strings of letters
Enter address: Any strings of letters, digits
Enter mobile number: Any strings of digits

2.2.1.2 event

- Create event

```
> create
Enter the record type (contact/event/plaintext/task): event
Enter title: event1
Enter description: event1 description
Enter start time (yyyy-MM-dd HH:mm): 2023-11-30 13:00
Does it have an alarm? (yes/no): yes
EventRecord created successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter description: Any strings of letters,
Enter start time: Any date with the format (YYYY-MM-DD HH:mm) HH:mm in 24-hrs clock
Alarm: yes / no

2.2.1.3 plaintext

- Create plaintext

```
> create
Enter the record type (contact/event/plaintext/task): plaintext
Enter title: plaintext1
Enter content: plaintext content 1
PlainTextRecord created successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter content: Any strings of letters, digits, whitespace

2.2.1.4 task

- Create task

```
> create
Enter the record type (contact/event/plaintext/task): task
Enter title: task1
Enter task description: task1 description
Enter deadline (yyyy-MM-dd HH:mm): 2023-11-30 13:00
TaskRecord created successfully.
```

- Input format

2.2.2 search

User can search their record by entering the corresponding information i.e. title, date, etc. the search function will go through all the record containing the input (i.e. title: contact, all contact with containing "contact" in the title will be displayed. If none of the field is entered when searching _contact_ and _plaintext_, it will display all the record within the specified category. when searching _event_ and _task._ The date information must be provided.

- search interface

```
> search
Enter the record type (contact/event/plaintext/task): 
```

- Input format

Contact/event/plaintext/task

2.2.2.1 contact

- search contact

```
> search
Enter the record type (contact/event/plaintext/task): contact
Enter the intformation you search, if not suitable, press enter
For multiple information, use &&(and), ||(or) and !(negation)
Enter title: contact
Enter name:
Enter address:
Enter mobile number:
```

- Input format

Enter title: Any strings of letters, digits, _empty_
Enter name: Any strings of letters, _empty_
Enter address: Any strings of letters, digits, _empty_
Enter mobile number: Any strings of digits, _empty_

2.2.2.2 event

- search event

```
> search
Enter the record type (contact/event/plaintext/task): event
Enter the intformation you search, if not suitable, press enter
For multiple information, use &&(and), ||(or) and !(negation)
Enter title: event
Enter description:
Enter target start time ((<,>,=)yyyy-MM-dd HH:mm): >2000-01-01 00:00
```

- Input format

Enter title: Any strings of letters, digits, *empty*
Enter description: Any strings of letters, *empty*
Enter target start time: (<, >, =) Any date with the format (YYYY-MM-DD HH:mm)
HH:mm in 24-hrs clock

2.2.2.3 plaintext

- search plaintext

```
> search
Enter the record type (contact/event/plaintext/task): plaintext
Enter the intformation you search, if not suitable, press enter
For multiple information, use &&(and), ||(or) and !(negation)
Enter title: plain
Enter content:
```

- Input format

Enter title: Any strings of letters, digits, whitespace, *empty*
Enter content: Any strings of letters, digits, whitespace, *empty*

2.2.2.4 task

- search task

```
Enter title: task
Enter task description:
Enter target deadline ((<,>,=)yyyy-MM-dd HH:mm): >2000-01-01 00:00
```

- Input format

Enter title: Any strings of letters, digits, whitespace, *empty*
Enter task description: Any strings of letters, digits, whitespace, *empty*
Enter target deadline: (<, >, =) Any date with the format (YYYY-MM-DD HH:mm)
HH:mm in 24-hrs clock

2.2.3 display

User can display all the stored record with this command.

● Example result:

```
> display
Contact: contact1
Name: Alan
Address: PolyU
Mobile Number: 98765432
--------------------
Event: event1
Description: event1
Start Time: 2023-11-30T13:00
Alarm: false
--------------------
PlainText: plaintext1
Content: plaintext
--------------------
Task: task1
Description: task1
Deadline: 2023-11-30T13:00
--------------------
```

2.2.4 modify

User can modify the information that store inside the system.

● Modify interface

```
> modify
Enter the title of the record you want to modify:
```

● Input format

Any string of letters, digits, whitespace.

● Wrong input

User should enter title that is stored in the system.

```
> modify
Enter the title of the record you want to modify: test
Record not found.
```

After inputting the title of the record, user needs to choose the type of that record in order to modify it. (i.e. to modify a contact record, user needs to input "1")

```
> modify
Enter the title of the record you want to modify: contact1
Please choose the record type to modify:
1. Contact Record
2. Event Record
3. Plain Text Record
4. Task Record
```

- Input format

1/2/3/4

- Wrong input

  User should enter *1/2/3/4* to select the correct type of record to modify.

```
Your choice:  5
Invalid record type, please enter again
```

2.2.4.1 contact

- modify contact

```
Your choice:  1
Enter the updated title: contact2
Enter the updated name: bob
Enter the updated address: hung ham
Enter the updated mobile number: 98761234
ContactRecord modified successfully.
```

- Input format

Enter title: Any strings of letters, digits
Enter name: Any strings of letters
Enter address: Any strings of letters, digits
Enter mobile number: Any strings of digits

2.2.4.2 event

- modify event

```
Your choice:  2
Enter the updated title: event2
Enter the updated description: event2 description
Enter the updated start time (yyyy-MM-dd HH:mm): 2023-12-01 14:00
Does it have an alarm? (yes/no): no
EventRecord modified successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter description: Any strings of letters,
Enter start time: Any date with the format (YYYY-MM-DD HH:mm) HH:mm in 24-hrs clock
Alarm: yes / no

2.2.4.3 plaintext

- modify plaintext

```
Your choice:  3
Enter the updated title: plaintext2
Enter the updated content: plaintext2 content
PlainTextRecord modified successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter content: Any strings of letters, digits, whitespace

2.2.4.4 task

- modify task

```
Your choice:  4
Enter the updated title: task2
Enter the updated task description: task2 description
Enter the updated deadline (yyyy-MM-dd HH:mm): 2023-12-01 14:00
TaskRecord modified successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter task description: Any strings of letters, digits, whitespace
Enter deadline: Any date with the format (YYYY-MM-DD HH:mm) HH:mm in 24-hrs clock

2.2.5 delete

- User can delete the information stored in the system. To prevent accidental deletion user need to input all the information of the record to successfully delete it Modify interface

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task):
```

- Input format

Contact/event/plaintext/task

- Wrong input

  User should enter title that is stored in the system.

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task): test
Invalid record type.
```

2.2.5.1 contact

- Deleting contact

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task): contact
Enter title: contact1
Enter name: Alan
Enter address: PolyU
Enter mobile number: 98765432
ContactRecord delete successfully.
```

- Input format

Enter title: Any strings of letters, digits
Enter name: Any strings of letters
Enter address: Any strings of letters, digits
Enter mobile number: Any strings of digits

Before deletion	After deletion
```> display Contact: contact1 Name: Alan Address: PolyU Mobile Number: 98765432 -------------------- Event: event1 Description: event1 Start Time: 2023-11-30T13:00 Alarm: false -------------------- PlainText: plaintext1 Content: plaintext -------------------- Task: task1 Description: task1 Deadline: 2023-11-30T13:00 -------------------- ```	```> display Event: event1 Description: event1 Start Time: 2023-11-30T13:00 Alarm: false -------------------- PlainText: plaintext1 Content: plaintext -------------------- Task: task1 Description: task1 Deadline: 2023-11-30T13:00 -------------------- ```

2.2.5.2 event

- Deleting event

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task): event
Enter title: event1
Enter description: event1
Enter start time (yyyy-MM-dd HH:mm): 2023-11-30 13:00
Does it have an alarm? (yes/no): no
EventRecord delete successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter description: Any strings of letters,
Enter start time: Any date with the format (YYYY-MM-DD HH:mm) HH:mm in 24-hrs clock
Alarm: yes / no

Before deletion	After deletion

`> display`
`Contact: contact1`
`Name: Alan`
`Address: PolyU`
`Mobile Number: 98765432`
`--------------------`
`Event: event1`
`Description: event1`
`Start Time: 2023-11-30T13:00`
`Alarm: false`
`--------------------`
`PlainText: plaintext1`
`Content: plaintext`
`--------------------`
`Task: task1`
`Description: task1`
`Deadline: 2023-11-30T13:00`
`--------------------`
	`> display`
	`Contact: contact1`
	`Name: Alan`
	`Address: PolyU`
	`Mobile Number: 98765432`
	`--------------------`
	`PlainText: plaintext1`
	`Content: plaintext`
	`--------------------`
	`Task: task1`
	`Description: task1`
	`Deadline: 2023-11-30T13:00`
	`--------------------`

2.2.5.3 plaintext

- Deleting plaintext

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task): plaintext
Enter title: plaintext1
Enter content: plaintext
PlainTextRecord delete successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace

Enter content: Any strings of letters, digits, whitespace

Before deletion	After deletion

<pre>> display
Contact: contact1
Name: Alan
Address: PolyU
Mobile Number: 98765432
-------------------- 	
Event: event1
Description: event1
Start Time: 2023-11-30T13:00
Alarm: false
-------------------- 	
PlainText: plaintext1
Content: plaintext
-------------------- 	
Task: task1
Description: task1
Deadline: 2023-11-30T13:00
--------------------</pre> 	
	<pre>> display
	Contact: contact1
	Name: Alan
	Address: PolyU
	Mobile Number: 98765432
	-------------------- 	
	Event: event1
	Description: event1
	Start Time: 2023-11-30T13:00
	Alarm: false
	-------------------- 	
	Task: task1
	Description: task1
	Deadline: 2023-11-30T13:00
	--------------------</pre> 	

2.2.5.4 task

- Deleting task

```
> delete
For the deletion, you need to enter the exact data
Enter the record type (contact/event/plaintext/task): task
Enter title: task1
Enter task description: task1
Enter deadline (yyyy-MM-dd HH:mm): 2023-11-30 13:00
TaskRecord delete successfully.
```

- Input format

Enter title: Any strings of letters, digits, whitespace
Enter task description: Any strings of letters, digits, whitespace
Enter deadline: Any date with the format (YYYY-MM-DD HH:mm) HH:mm in 24-hrs clock

Before deletion	After deletion

<pre>> display
Contact: contact1
Name: Alan
Address: PolyU
Mobile Number: 98765432
-------------------- 	
Event: event1
Description: event1
Start Time: 2023-11-30T13:00
Alarm: false
-------------------- 	
PlainText: plaintext1
Content: plaintext
-------------------- 	
Task: task1
Description: task1
Deadline: 2023-11-30T13:00
--------------------</pre> 	
	<pre>> display
	Contact: contact1
	Name: Alan
	Address: PolyU
	Mobile Number: 98765432
	-------------------- 	
	Event: event1
	Description: event1
	Start Time: 2023-11-30T13:00
	Alarm: false
	-------------------- 	
	PlainText: plaintext1
	Content: plaintext
	--------------------</pre> 	

2.2.6 store

User can store their input information into a long-term storage by using the store function. This function will create a *.pim* file to store the information.

- When there is no record in the system.

    The system will response there are no records to be store.

```
> store
No records to store.
```

- When there are records in the system.

```
> store
Enter the file name:
```

- Input format

File name: any string of letters or digits.

- Result

```
> store
Enter the file name: myPIM
Success
```

The file is store under the */src/* location

2.2.7 load

User can load their stored *.pim* file into the system.

- load interface

```
> load
Enter the file name:
```

- Input format

File name: any string of letters or digits.

- Successful

```
> load
Enter the file name: myPIM
Record Load successfully
```

- Wrong input

    User needs to enter the file name that exist.

```
> load
Enter the file name: 123
File not found
```

2.2.7 exit

User can use _exit_ to exit the PIM.

```
> exit
Thank you for using the Personal Information Manager (PIM). Goodbye!
```