MediBook Developer's Guide

Table of Contents

- 1. Acknowledgements
- 2. Settting up, getting started
- 3. Design
 - Architecture
 - UI Component
 - Logic Component
 - Model Component
 - Storage Component
- 4. Implementation
 - Add
 - Edit
 - List
 - Find
 - Assign
 - Schedule
- 5. Documentation, logging, testing, configuration, dev-ops
- 6. Appendix: Requirements
 - Product Scope
 - User Stories
 - Use Cases
 - Non-Functional Requirements
 - Glossary
- 7. Appendix: Instructions for manual testing
 - · Launch and Shutdown
 - Deleting a Person
 - Editing a Person
 - Listing Persons
 - Finding Persons
 - Assigning a nurse to a patient
 - Removing nurse assignment from a patient
 - Schedule Checkups
 - View nurses / patients
 - Saving Data
- 8. Appendix: Effort
- 9. Appendix: Planned Enhancements

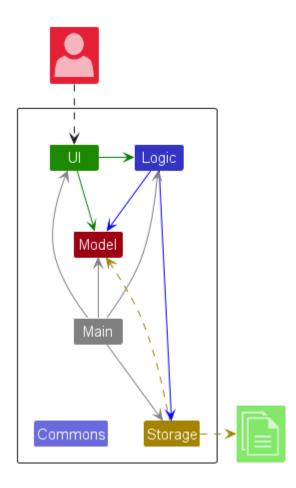
- AB3 for being the base we build our project on.
- JavaFX for creating the Graphic User Interface of MediBook.
- JUnit5 for testing capability.

Setting up, getting started

Refer to the guide Setting up and getting started.

Design

Architecture



The *Architecture Diagram* given above explains the high-level design of the App.

Given below is a quick overview of main components and how they interact with each other.

Main components of the architecture

Main (consisting of classes Main and MainApp) is in charge of the app launch and shut down.

• At app launch, it initializes the other components in the correct sequence, and connects them up with each other.

At shut down, it shuts down the other components and invokes cleanup methods where necessary.

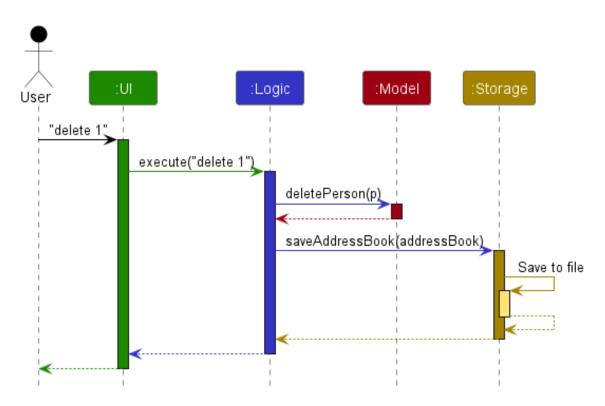
The bulk of the app's work is done by the following four components:

- UI: The UI of the App.
- Logic: The command executor.
- Model: Holds the data of the App in memory.
- Storage: Reads data from, and writes data to, the hard disk.

Commons represents a collection of classes used by multiple other components.

How the architecture components interact with each other

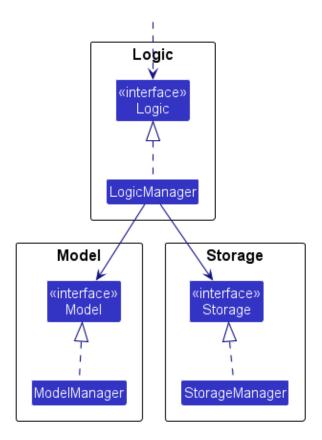
The Sequence Diagram below shows how the components interact with each other for the scenario where the user issues the command <code>delete 1</code>.



Each of the four main components (also shown in the diagram above),

- defines its API in an interface with the same name as the Component.
- implements its functionality using a concrete {Component Name}Manager class (which follows the corresponding API interface mentioned in the previous point.

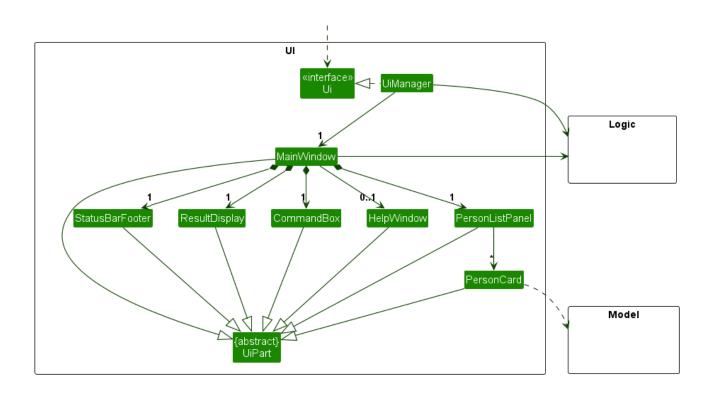
For example, the Logic component defines its API in the Logic.java interface and implements its functionality using the LogicManager.java class which follows the Logic interface. Other components interact with a given component through its interface rather than the concrete class (reason: to prevent outside component's being coupled to the implementation of a component), as illustrated in the (partial) class diagram below.



The sections below give more details of each component.

UI component

The API of this component is specified in Ui.java



The UI consists of a MainWindow that is made up of parts e.g. CommandBox , ResultDisplay , PersonListPanel , StatusBarFooter etc. All these, including the MainWindow , inherit from the abstract UiPart class which captures the commonalities between classes that represent parts of the visible GUI.

The UI component uses the JavaFx UI framework. The layout of these UI parts are defined in matching .fxml files that are in the src/main/resources/view folder. For example, the layout of the MainWindow is specified in MainWindow.fxml

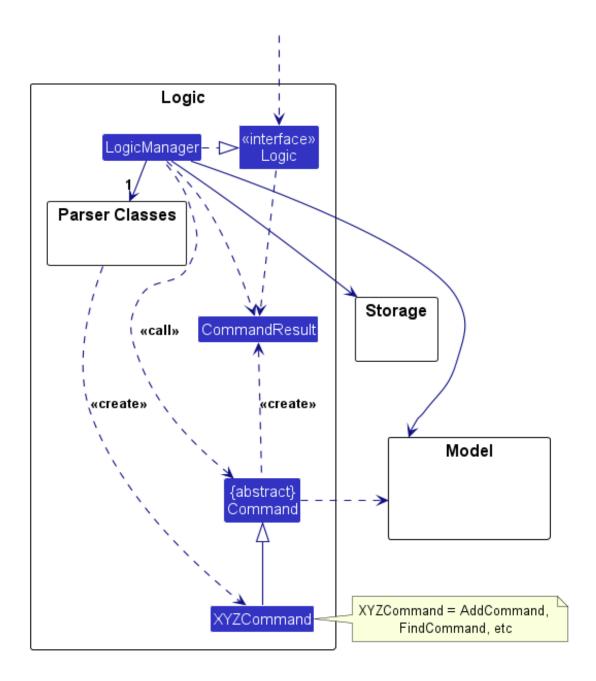
The UI component,

- executes user commands using the Logic component.
- listens for changes to Model data so that the UI can be updated with the modified data.
- keeps a reference to the Logic component, because the UI relies on the Logic to execute commands.
- · depends on some classes in the Model component, as it displays Person object residing in the Model .

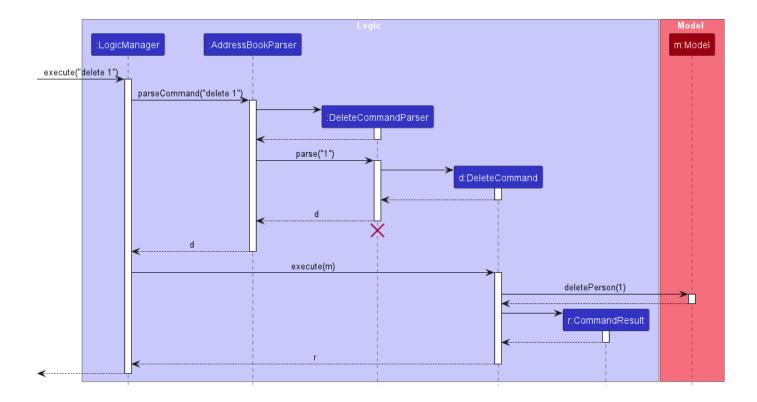
Logic component

API: Logic.java

Here's a (partial) class diagram of the Logic component:



The sequence diagram below illustrates the interactions within the Logic component, taking execute("delete 1") API call as an example.



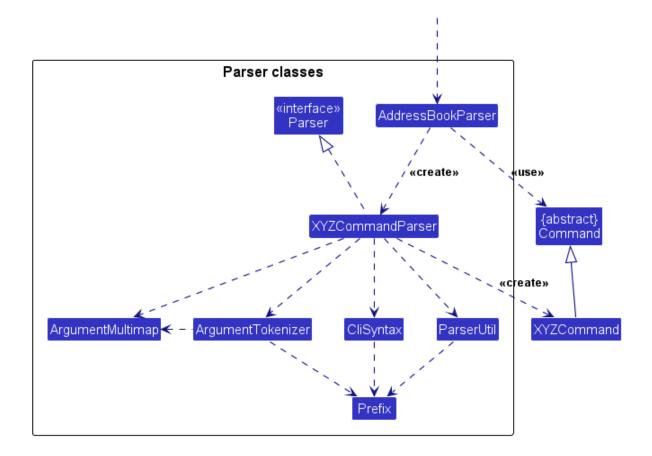
Note: The lifeline for DeleteCommandParser should end at the destroy marker (X) but due to a limitation of PlantUML, the lifeline continues till the end of diagram.

How the Logic component works:

- 1. When Logic is called upon to execute a command, it is passed to an AddressBookParser object which in turn creates a parser that matches the command (e.g., DeleteCommandParser) and uses it to parse the command.
- 2. This results in a Command object (more precisely, an object of one of its subclasses e.g., DeleteCommand) which is executed by the LogicManager .
- 3. The command can communicate with the Model when it is executed (e.g. to delete a person).

 Note that although this is shown as a single step in the diagram above (for simplicity), in the code it can take several interactions (between the command object and the Model) to achieve.
- 4. The result of the command execution is encapsulated as a CommandResult object which is returned back from Logic .

Here are the other classes in Logic (omitted from the class diagram above) that are used for parsing a user command:



How the parsing works:

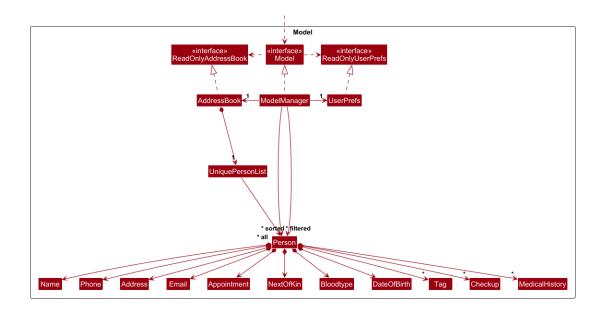
- When called upon to parse a user command, the AddressBookParser class creates an XYZCommandParser
 (XYZ is a placeholder for the specific command name e.g., AddCommandParser) which uses the other classes
 shown above to parse the user command and create a XYZCommand object (e.g., AddCommand) which the
 AddressBookParser returns back as a Command object.
- All XYZCommandParser classes (e.g., AddCommandParser, DeleteCommandParser, ...) inherit from the Parser interface so that they can be treated similarly where possible e.g., during testing.

Model component

API: Model.java

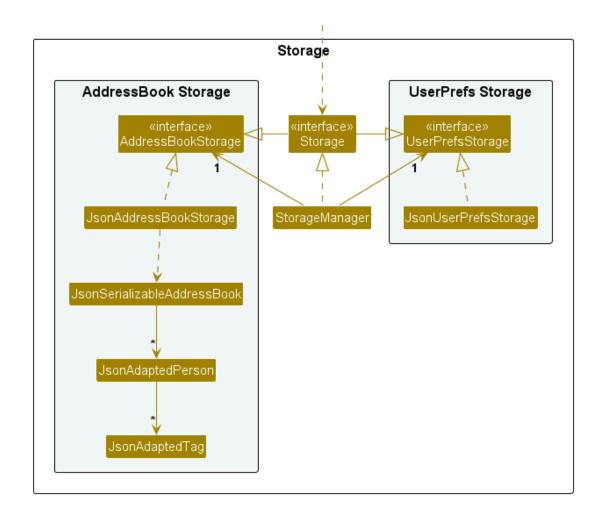
The Model component,

- stores the address book data i.e., all Person objects (which are contained in a UniquePersonList object).
- stores the currently 'selected' Person objects (e.g., results of a search query) as a separate *filtered* list which is exposed to outsiders as an unmodifiable ObservableList<Person> that can be 'observed' e.g. the UI can be bound to this list so that the UI automatically updates when the data in the list change.
- stores a UserPref object that represents the user's preferences. This is exposed to the outside as a ReadOnlyUserPref objects.
- does not depend on any of the other three components (as the Model represents data entities of the domain, they should make sense on their own without depending on other components)



Storage component

API: Storage.java



The Storage component,

- can save both address book data and user preference data in JSON format, and read them back into corresponding objects.
- inherits from both AddressBookStorage and UserPrefStorage, which means it can be treated as either one (if only the functionality of only one is needed).
- depends on some classes in the Model component (because the Storage component's job is to save/retrieve objects that belong to the Model)

Common classes

Classes used by multiple components are in the seedu.address.commons package.

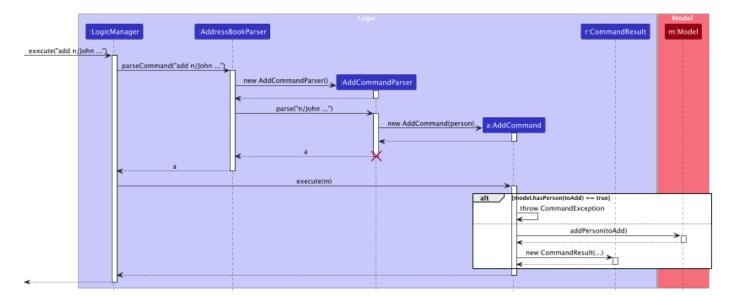
Implementation

This section describes some noteworthy details on how certain features are implemented.

Add Feature

The add command allows the user to add a new person to the address book.

- 1. LogicManager receives the command text and passes it to AddressBookParser.
- 2. AddressBookParser parses the command and returns an AddCommand object.
- 3. AddCommand#execute() adds the person to the model and returns a CommandResult .



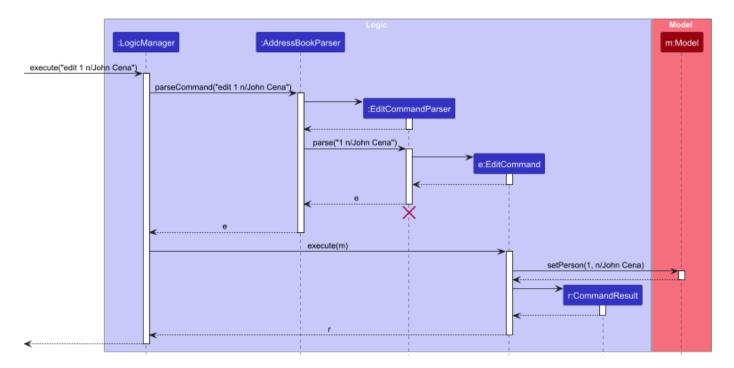
Design considerations:

We chose to implement parsing with a ParserUtil helper class to simplify each command parser. An alternative would be using a central parser for all commands, but this was less modular.

Edit Feature

The edit command allows the user to edit an existing person in the address book.

- 1. LogicManager receives the command text and passes it to AddressBookParser.
- 2. AddressBookParser parses the command and returns an EditCommandParser object.
- 3. EditCommandParser#parse() creates an EditCommand object.
- 4. EditCommand#execute() edits the person in the model and returns a CommandResult .



We chose to implement parsing with a ParserUtil helper class to simplify each command parser. An alternative would be using a central parser for all commands, but this was less modular.

List Feature

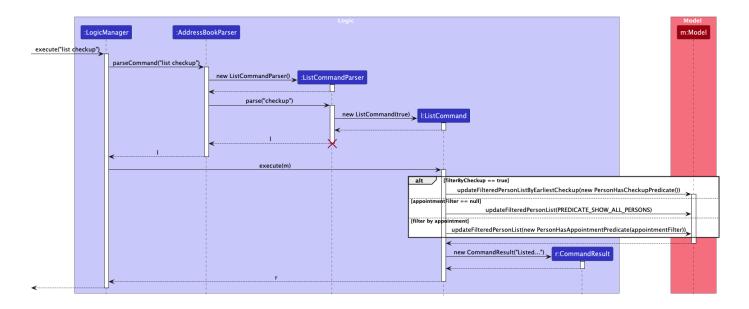
The list command allows users to display a subset of people in the address book based on optional filters.

It supports the following use cases:

- list Lists all persons in the address book (patients and nurses).
- list nurse or list patient Lists only nurses or only patients, respectively.
- list checkup Lists all patients with scheduled **checkups**, sorted by earliest checkup date.

Execution Flow:

- 1. LogicManager receives the command text (e.g., "list checkup") and passes it to AddressBookParser.
- 2. AddressBookParser parses the command and returns an ListCommandParser object.
- 3. ListCommandParser#parse() constructs a ListCommand object, based on the input string.
- 4. ListCommand#execute() evaluates the internal flags:
 - If the command was list checkup , it calls updateFilteredPersonListByEarliestCheckup(...) with a PersonHasCheckupPredicate .
 - If no filter was provided, it lists all persons using Model.PREDICATE_SHOW_ALL_PERSONS .
 - If a specific appointment filter was provided (e.g., "nurse"), it filters with PersonHasAppointmentPredicate .
- 5. A CommandResult is returned with a success message indicating what was listed.



We chose to centralize filtering logic inside ListCommand, separating parsing (ListCommandParser) from behavior. This approach improves maintainability and makes it easy to extend filtering options (e.g., by tag or medical history) in the future.

Find Feature

The find command enables users to search for specific entities in the address book, including:

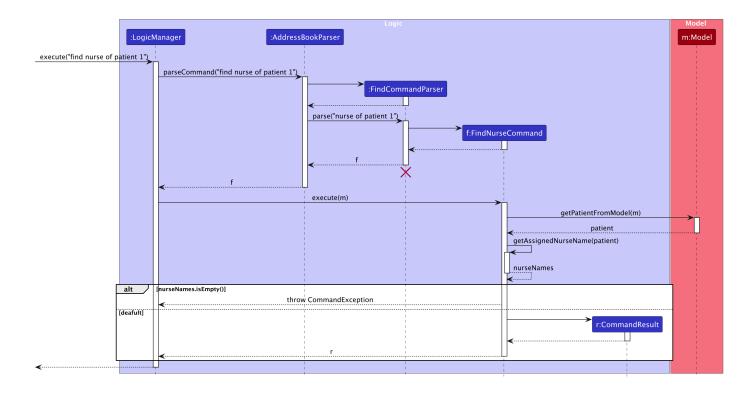
- · Nurses assigned to the patients.
- Patients associated with the nurses.
- Users whose names contain the specified search terms.

This functionality improves user experience by allowing quick access to relevant information.

Execution Flow:

- LogicManager receives the command text (e.g. find nurse of patient 8) from the user and passes it to AddressBookParser .
- 2. AddressBookParser parses the command and returns a FindCommandParser object.
- 3. Depending on the arguments, FindCommandParser#parse() will return one of the following:
 - FindNurseCommand: for searching nurses assigned to a specific patient.
 - FindPatientCommand: for searching patients assigned to a specific nurse.
 - FindCommand: a general command for searching based on keywords in contacts' names.
- 4. FindCommand#execute() retrieves the relevant entries from the model and returns a CommandResult .
- 5. For FindNurseCommand, it finds and returns all nurses assigned to the specified patient.
- 6. For FindPatientCommand, it finds and returns all patients assigned to the specified nurse.
- 7. For FindCommand, it allows the user to search by keywords. For example, executing find tom harry will return all users that contain either "tom" or "harry" in their names.

Using this command, users can effortlessly navigate and manage their address book, finding relevant information quickly and efficiently.



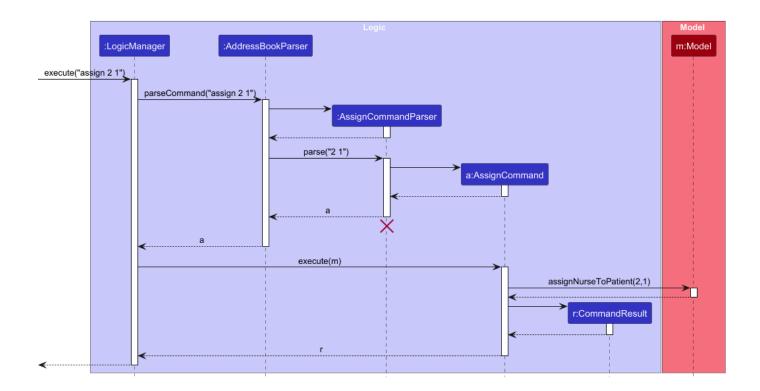
We chose to implement parsing with a ParserUtil helper class to simplify each command parser. An alternative would be using a central parser for all commands, but this was less modular.

Assign Feature

The assign command allows the user to assign a nurse to a patient.

Execution Flow:

- 1. LogicManager receives the command text and passes it to AddressBookParser.
- 2. AddressBookParser parses the command and returns an AssignCommand object.
- $3. \ \ \, \text{AssignCommand\#execute()} \ \ \, \text{assigns the nurse to the patient and returns a} \ \ \, \text{CommandResult} \ \ \, .$



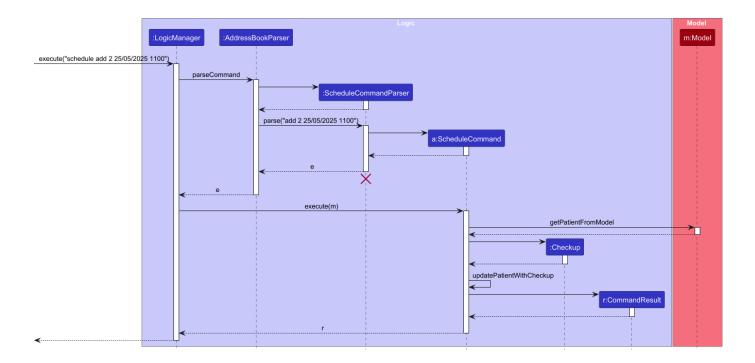
We chose to implement parsing with a ParserUtil helper class to simplify each command parser. An alternative would be using a central parser for all commands, but this was less modular.

Schedule Feature

The schedule command allows the user to create a checkup between a patient and a nurse.

Execution Flow:

- 1. LogicManager receives the command text and passes it to AddressBookParser.
- 2. AddressBookParser parses the command and returns an ScheduleCommand object.
- 3. ScheduleCommand#execute() creates or deletes the checkup from the patient and returns a CommandResult .



We chose to implement parsing with a ParserUtil helper class to simplify each command parser. An alternative would be using a central parser for all commands, but this was less modular.

Documentation, logging, testing, configuration, dev-ops

- Documentation guide
- · Testing guide
- Logging guide
- · Configuration guide
- · DevOps guide

Appendix: Requirements

Product scope

Target user profile:

- Manager or nurse at a private nurse agency
- has a need to manage a significant number of nurses and/or patients
- · prefer desktop apps over other types
- · can type fast
- · prefers typing to mouse interactions
- is reasonably comfortable using CLI apps

Value proposition:

- 1. Manage nurse and patients faster than a typical mouse/GUI driven app
- 2. Allows faster creation and storage of details compared to traditional pen and paper methods
- 3. Enables easy transfer and tracking of patients compared to current system where it is inefficient to do so
- 4. Saves time from having to log into centralised system from healthcare system in Singapore each time data is needed.

User stories

Priorities: High (must have) - * * * , Medium (nice to have) - * * , Low (unlikely to have) - *

Priority	As a	I want to	So that I can
* * *	Manager	add nurse contacts	add new nurses contacts who joined the team
* * *	Manager	delete nurse contacts	remove contact of nurses who leave the agency
* * *	Manager	add patients contacts	keep track of new patients who register with the agency
* * *	Manager	delete patient contacts	remove patients who are no longer registered with the agency
* * *	Manager	view all nurses	see all nurses details at once
* * *	Manager	view all patients	see all registered patients at once
* * *	Nurse	view patients details	view the needs of the patient I'm caring for
* * *	Nurse	exit the application quickly	resume other tasking at hands
* *	Manager	view all patients attached to a certain nurse	check which patients a nurse is currently assigned to
* *	Manager	view the nurse assigned to a patient	check who is in charge of a certain patient
* *	Manager	schedule appointments for a patient	ensure the patient has an appointment and a nurse
* *	Manager	assign a nurse to a patient	ensure the patient has a specified nurse
* *	Manager	sort patient details	sort my patients according to various criteria such as blood type and severity level
* *	Manager	assign categories to patients	add the severity of each patient

Priority	As a	I want to	So that I can
* *	Manager	adjust categories of patients	lower or increase the severity / priority of patients over time
* *	Nurse	find patient details	check details about a specific nurse
* *	Nurse	sort patient details	quickly find details about a specific patient
* *	Nurse	transfer the patients under me to another nurse	ensure my patients are not neglected during my absence
*	Manager	add roles of nurses	see which nurse has a larger responsibility
*	Forgetful Nurse	schedule automatic reminders for task like checkups and medications times	task are always done on time
*	Nurse during a midnight shift	activate night mode interface with darker colours and larger text to enhance visuals	reduce eye strain while ensuring accuracy when recording patient data in dimly lit environments
*	Manager	log in using my staff credential	Securely access patient records

Use cases

(For all use cases below, the **System** is the MediBook and the **Actor** is the user , unless specified otherwise)

Use case 1: Delete a nurse / patient

MSS

- 1. User requests to list nurses / patients
- 2. AddressBook shows the list of nurses / patients
- 3. User requests to delete a specific nurse / patient in the list
- 4. AddressBook deletes the nurse / patient Use case ends.

Extensions

- 2a. The list is empty.
 Use case ends.
- 3a. The given index is invalid.
 - 3a1. AddressBook shows an error message.
 Use case resumes at step 2.

Use case 2: Add a nurse / patient

MSS

- 1. User requests to list nurses / patients
- 2. AddressBook shows the list of nurses / patients
- 3. User requests to add a nurse / patient in the list
- 4. AddressBook adds the nurse / patient Use case ends.

Extensions

- 2a. The list is empty.
 Use case ends.
- 3a. The user enters incorrect command format.
 - 3a1. AddressBook shows an error message.
 Use case resumes at step 2.

Use case 3: Edit a nurse / patient

MSS

- 1. User requests to list nurses / patients
- 2. AddressBook shows the list of nurses / patients
- 3. User requests to edit a nurse's / patient's details
- 4. AddressBook edits the nurse's / patient's details Use case ends.

Extensions

- 2a. The list is empty.
 - Use case ends.
- · 3a. The user enters incorrect command format.
 - 3a1. AddressBook shows an error message.
 Use case resumes at step 2.

Use case 4: Exit the app

MSS

- 1. User requests to exit app
- 2. AddressBook closes

Use case ends.

Extensions

- 1a. The user enters incorrect command format.
 - 1a1. AddressBook shows an error message.
 Use case resumes at step 1.

Non-Functional Requirements

- 1. Should work on any mainstream OS as long as it has Java 17 or above installed.
- 2. Should be able to hold up to 1000 persons without a noticeable sluggishness in performance for typical usage.
- 3. A user with above average typing speed for regular English text (i.e. not code, not system admin commands) should be able to accomplish most of the tasks faster using commands than using the mouse.

Glossary

- **Patient Contact**: Refers to the information stored about a patient in the system (e.g. Name, Phone number, Email, Address, Appointment, Blood Type, next-of-kin))
- Appointment: The role of the person
- Manager: Manages the nurses
- Nurse: Tends to the patients
- Checkup: A scheduled appointment for nurse to visit and treat the patient.

Requirements implemented

Requirements yet to be implemented

Appendix: Instructions for manual testing

Given below are instructions to test the app manually.

Note: These instructions only provide a starting point for testers to work on; testers are expected to do more *exploratory* testing.

Launch and shutdown

- 1. Initial launch
 - i. Download the jar file and copy into an empty folder
 - ii. Double-click the jar file Expected: Shows the GUI with a set of sample contacts. The window size may not be optimum.
- 2. Saving window preferences
 - i. Resize the window to an optimum size. Move the window to a different location. Close the window.
 - ii. Re-launch the app by double-clicking the jar file.
 - Expected: The most recent window size and location is retained.
- 3. Shutdown
 - i. Type exit into the app CLI

Expected: The MediBook application closes.

Deleting a person

- 1. Deleting a person while all persons are being shown
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list.
 - ii. Test case: delete 1

Expected: First contact is deleted from the list. Details of the deleted contact shown in the status message.

Timestamp in the status bar is updated.

iii. Test case: delete 0

Expected: No person is deleted. Error details shown in the status message. Status bar remains the same.

iv. Other incorrect delete commands to try: $delete \times \dots$ (where x is larger than the list size) Expected: Similar to previous.

Adding a person

- 1. Adding a person while all persons are being shown
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list.
 - ii. Test case: add n/John Doe dob/01/01/2001 p/98765432 e/johnd@example.com a/311, Clementi Ave 2, #02-25 b/AB+ ap/Patient nok/Jane 91234567 t/newcomer mh/Diabetes mh/High Blood Pressure Expected: A new contact is created and the displayed person list is updated.
- 2. Adding a person using only compulsory fields
 - i. Test case: add n/John Sim dob/01/01/2025 p/98765432 a/123 Block 7 b/AB+ ap/patient Expected: Creates a new patient contact with the minimum fields included.
- 3. Adding a duplicate person
 - i. Prerequisites: A person by the name of John Sim has been created either through the previous test case or by manual testing.
 - ii. Test case: add n/John Sim dob/01/01/2025 p/98765432 a/123 Block 7 b/AB+ ap/patient Expected: No person is created. Error message shows "This person already exists in the address book"
- 4. Other incorrect commands to try:
 - i. Invalid names: names containing non-alphabetical symbols
 - ii. Invalid number: Less than 3 digits or non integer inputs
 - iii. Invalid Date of Birth: Non integer and non slash inputs, incorrect date format (DD/MM/YYYY)
 - iv. Invalid Blood type: Not matching any of the 8 specified blood types.
 - v. Invalid Appointment: Not matching patient or nurse, non-alphabetical inputs

Editing a Person

- 1. Editing any field of a person currently being displayed
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list.
 - ii. Test case: edit 2 n/Samantha

Expected: Changed the name of the person at index 2 of the displayed list to Samantha.

- iii. Testing other fields that can be edited:
 - a. Editing tags
 - a. Test case: edit 1 t/discharge t/No family

 Expected: Removes all tags of the person at index 1 and creates 2 tags for that person.
 - b. Medical History
 - Use View command to check medical history
 - a. Test case: edit 1 mh/Diabetes

Expected: Removes the medical history of the patient at index 1 and creates a new medical history containing diabetes. If the person is a nurse, an error will occur as medical history should not be added to a nurse.

b. Test case: edit 1 mh/

Expected: Clears the medical history of the person.

c. Appointment

- a. **NOTE** Patients contacts can only be converted to Nurse appointment if it does not contain any medical history
- b. Test case: edit 2 ap/nurse
- c. Expected: Changes the patients appointment to a nurse if there is no medical history. Returns an error if the patient does have medical history.
- d. Other tags to try: name, phone_number, blood_type, address, next_of_kin and email.

Listing persons

- 1. Listing all people, people based on appointments (nurse or patient), or based on checkups scheduled
 - i. Prerequisites: Multiple persons have been created and can be displayed.
 - ii. Test case: list
 - Expected: Displays all contacts (nurses and patients).
 - iii. Test case: list patient
 - Expected: Displays all patients.
 - iv. Test case: list nurse
 - Expected: Displays all nurses.
 - v. Test case: list checkup
 - Expected: Displays all patients with checkups scheduled, sorted from earliest to latest.

Finding persons

- 1. Finding people by name or part of name
 - i. Prerequisites: List all persons using any list command. Multiple persons in the list.
 - ii. Test case: find John
 - Expected: Displays contacts whose names contain John in any part of their name.
 - iii. Test case: find hn
 - Expected: Displays contacts whose names contain hn in any part of their name. E.g. John will be displayed.
 - iv. Test case: find hn ce
 - Expected: Displays contacts whose name contain hn or ce in any part of their name. E.g. John and Alice will be displayed.
- 2. Finding nurse(s) assigned to a patient
 - i. Prerequisites: List persons using any list command. Multiple persons in the list. At least 1 patient has a nurse assigned to them.
 - ii. Test case: find nurse of patient 2
 - Expected: Displays nurse(s) assigned to patient at index 2 in the result box.
- 3. Finding patient(s) who have a specified nurse assigned to them
 - i. Prerequisites: List persons using any list command. Multiple persons in the list. At least 1 patient has a nurse assigned to them.
 - ii. Test case: find patient of nurse 2
 - Expected: Displays patients(s) assigned to nurse at index 2 in the result box.

Assigning a nurse to a patient

1. Assigning a nurse to a patient by their index numbers

- i. Prerequisites: List all persons using the list command. Multiple persons in the list where at least 1 nurse and at least 1 patient person exists.
- ii. Test case: assign 6 2

Expected: Patient at index 6 is assigned to nurse at index 2.

iii. Test case: assign

Expected: Shows an invalid command format error message with usage instructions.

- iv. Other incorrect commands to try:
 - a. Missing an argument: no NURSE_INDEX specified
 - b. Invalid index: using non-numeric characters for index values
 - c. Assigning a third nurse to a patient that has already been assigned 2 nurses.

Removing nurse assignment from a patient

- 1. Removing the assignment of a nurse from a patient
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list. Patients with assigned nurses exist.
 - ii. Test case: assign delete John Doe 6

Expected: Removes the assigned nurse with name John Doe from the patient at index 6.

iii. Test case: assign delete

Expected: Shows an invalid command format error message with usage instructions.

- iv. Other incorrect commands to try:
 - a. Missing an argument: no NURSE NAME or PATIENT INDEX specified
 - b. Invalid index: using non-numeric characters for the index value

Schedule checkups

- 1. Adding a checkup to a patient
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list. At least 1 person with appointment of Patient .
 - ii. Test case 1: schedule add for patient 6 12/12/2025 1200

Expected: Creates a checkup for the patient at index 1 at the given time.

iii. Test case 2: schedule add for patient 6 01/01/2026 1105

Expected: Error message showing "Please use a time in blocks of 00, 15, 30, or 45 minutes (e.g., 1000, 1015, 1030, 1045)."

- iv. Test case: schedule add for patient 6 12/12/2025 1200 Expected: Error message saying "A checkup is already scheduled at this datetime." (if you executed test case 1 resulting in a duplicate checkup).
- v. Test case: schedule add for patient 6 12/12/2025 1205

Expected: Error message saying "There's a checkup scheduled on 12/12/2025 12:00! Please choose another time / date" (if you have executed test case 1 resulting in a checkup at 1200 on the same day).

- vi. Invalid inputs to test out
 - a. Date or time missing e.g. schedule add for patient 6
 - b. Person at given index is not a patient
 - c. Missing syntax e.g. schedule 6 12/12/2025 1205
- 2. Removing a checkup from a patient
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list. At least 1 person with appointment of Patient with at least 1 scheduled checkup.

- ii. Test case: schedule delete for patient 6 12/12/2025 1200
 - Expected: Checkup at given date time will be removed from the patient at index 6.
- iii. Test case: schedule delete for patient 6 12/12/2025 1700

Expected: If there is no checkup created at that time yet, an error message saying that there is no such checkup will be shown. Else, same as test case above.

Viewing nurses / patients

- 1. Viewing nurse or patient details
 - i. Prerequisites: List all persons using the list command. Multiple persons in the list.
 - ii. Test case: view INDEX

Expected: Displays details for the contact at INDEX . If this contact is a patient and has medical history details, the medical history will be listed.

iii. Test case: view

Expected: Shows an invalid command format error message with usage instructions.

- iv. Other incorrect commands to try:
 - a. Missing index value
 - b. Invalid index: using non-numeric characters for the index value
 - c. Too many arguments: entering multiple index values

Saving data

- 1. Dealing with missing/corrupted data files
 - i. Simulate a corrupted file by editing the saved .json file such that is is no longer in json format. This should result in a empty screen upon start up.
 - ii. Delete the file and restart the app to recover and start with a small list of sample contacts.

Appendix: Effort

Appendix: Planned Enhancements

These are some features / improvements our team has planned to implement in the future due to lack of time.

- 1. Assigning severity to patients
- 2. Adjusting the severity of patients
- 3. Allow sorting of the list to more filters e.g. Severity or age
- 4. Allow reminders for checkups or missing assigned nurse
- 5. Support for Dark mode
- 6. Ability to adjust working hours for scheduling checkups or disable the working hours feature completely.
- 7. Allow checkups & date of birth to be created on leap days like 29 of february.