User Guide: MediNote

Introduction

MediNote is a desktop app for managing hospital information such as doctor and patient records, optimised for use via a Command Line Interface (CLI).

💡 Quick Start 💡

1. Ensure that you have **Java 17** or above installed.
2. Down the latest version of ▶ `MediNote` from here.
3. Copy the application to the directory you want to use as the **working directory**.
4. In your terminal, move to the directory containing the application and run it with `java -jar tP_V2.jar`.

Features

- Show a list of commands: `help`
- Listing all patients: `list patient`
- Listing all doctors: `list doctor`
- Viewing specific doctors: `doctor`
- View patient information: `patient`
- Register a new patient: `register`
- Add a new doctor: `oncall`
- Discharge a patient: `discharge patient <NAME>`
- Delete a doctor: `delete doctor <NAME>`
- Updates Patient or Doctor in question: `update`
- Display popular doctor or specialisation: `popular`
- View specific patient attribute across all patients: `list patient <ATTRIBUTE>`
- View specific patient attribute individually: `view patient <ATTRIBUTE>`
- View specific doctor attribute individually: `view doctor <ATTRIBUTE>`
- Display Hospital Summary Stats: `stats`
- To Exit Application: `exit`

Show a list of commands: `help`

Shows a list of commands for navigating around the database. Provides an explanation on how different commands work to bring out or add the desired information from or into the database.

Format: `help`

Listing all current patients: `list patient`

Lists all patients currently admitted, along with all of their attributes:

Format: `list patient`

Example output of a list with 2 patients:

```
You have 2 patient(s) in hospital
1. Mr. A:
    >Time of Admission: 01 JAN 2025
    >Symptoms: Cough
    >Medical History: NA
    >Treatment Status: NA
    >Doctor Assigned: NA

2. Si En:
    >Time of Admission: Tomorrow
    >Symptoms: Eye Fever
    >Medical History: None
    >Treatment Status: NA
    >Doctor Assigned: NA
```

Listing all current doctors: `list doctor`

Lists all doctors currently working, along with all of their attributes:

Format: `list doctor`

Example output of a list with 2 doctors:

```
You have 2 doctor(s) in hospital
1. Pengu:
    >Specialization: Eye Fever Doctor
    >Availability: NA
    >Currently treating: NA

2. Timothy Cheese:
    >Specialization: Knee Pain
    >Availability: NA
    >Currently treating: NA
```

Viewing specified doctor: `doctor`

Views all the attributes of doctors specified in the command:
`doctor` searches for all doctors mentioned by the user.

Format: `doctor <NAME_1>/<NAME_2>/.../<NAME_X>`

Example usage:
`doctor Timothy Cheese/Pengu`

Example output:

```
Details of specified doctors:
    >Name: Timothy Cheese
        >Specialisation: Knee Pain
        >Availability: NA
        >Currently treating: NA
    >Name: Pengu
        >Specialisation: Eye Fever Doctor
        >Availability: NA
        >Currently treating: NA
```

Viewing specified patient: `patient`

Views all the attributes of patients specified in the command:
`patient` searches for all patients mentioned by the user.

Format: `patient <NAME_1>/<NAME_2>/.../<NAME_X>`

Example usage:
`patient Mr. A/Si En`

Example output:

```
Details of specified patients:
    >Name: Mr. A
        >Symptoms: Cough
        >Time Stamp: 01 JAN 2025
        >Medical History: NA
        >Treatment Status: NA
        >Doctor Assigned: NA
    >Name: Si En
        >Symptoms: Eye Fever
        >Time Stamp: Tomorrow
        >Medical History: None
        >Treatment Status: NA
        >Doctor Assigned: NA
```

Registering a new patient: `register`

Registers a new patient with necessary details:

- `<NAME>`
- `<SYMPTOMS>`
- `<TIMESTAMP>`
- `<MEDICAL HISTORY>`

Format: `register <NAME> / <SYMPTOMS> / <TIMESTAMP> / <MEDICAL HISTORY>`

Example usage:

`register John Pork/High Fever/5 Jan 2025 1730/Allergic to cheese`

```
register Tim Cheese/Constipation/5:23pm 7 Feb 2026/NA
```

Adding a new doctor: `oncall`

Adds a new on-call doctor with necessary details:

- `<NAME>`
- `<SPECIALISATION>`
- `<PATIENT NAME>` (the patient they are currently treating, if any)

Format: `oncall <NAME> / <SPECIALISATION> / <PATIENT NAME>`

Example usage:

```
oncall Simon Claw/Cardiologist/Mr Lim
```

Discharge a patient: `discharge patient <NAME>`

Deletes patient and their corresponding information from the database.

Format: `discharge patient <NAME>`

Example usage:

```
discharge patient Lebron James
```

Delete a doctor: `delete doctor <NAME>`

Deletes doctor and their corresponding information from the database.

Format: `delete doctor <NAME>`

Example usage:

```
delete doctor Michael Jordan
```

Update details about Patient or Doctor: `update`

Updates the details about a particular Patient or Doctor in question.

Format: `update <patient / doctor> <NAME> <Details to be updated according to registration format>`

Popular

Display most popular doctor type: `popular doctor type`

Displays the specialisation with most patient visits. Includes patients currently being treated.

Format & Example usage: `popular doctor type`

Display most visited doctor: `popular visited doctor`

Displays the doctor(s) with most patients treated. Includes patients currently being treated.

Format & Example usage: `popular visited doctor`

List patient attributes: `list patient <ATTRIBUTE>`

Displays a specific attribute for all patients.

Available `<ATTRIBUTE>` values:

- name
- symptoms
- timestamp
- history
- treatment
- doctor

Format: `list patient <ATTRIBUTE>`

Example:

- `list patient symptoms`
- `list patient timestamp`

View patient attributes: `view patient <ATTRIBUTE>`

Displays each patient's specific attribute one by one with formatting.

Available `<ATTRIBUTE>` values:

- name
- symptoms
- timestamp
- history
- treatment
- doctor

Format: `view patient <ATTRIBUTE>`

Example:

- `view patient treatment`

View doctor attributes: `view doctor <ATTRIBUTE>`

Displays each doctor's specific attribute one by one with formatting.

Available `<ATTRIBUTE>` values:

- name

- specialisation
- availability
- treating
- numtreated

Format: `view doctor <ATTRIBUTE>`

Example:

- `view doctor specialisation`

Hospital Summary Statistics Dashboard: `stats`

Prints an overview of hospital metrics:

- Total number of patients
- Number of patients currently being treated
- Total number of doctors
- Most active doctor (by patient count)
- Average patients per doctor

Format: `stats`

To Exit: `exit`

Exits from the interface

Format: `exit`

Command Summary

- `help` — Show command reference table
- `register <NAME> / <SYMPTOMS> / <TIMESTAMP> / <MEDICAL HISTORY>` — Register new patient
- `oncall <NAME> / <SPECIALISATION> / <PATIENT NAME>` — Register new doctor
- `patient <NAME>` — View full patient info
- `doctor <NAME>` — View full doctor info
- `list patient` — List all patients with full details
- `list doctor` — List all doctors
- `list patient <ATTRIBUTE>` — List specific patient attribute across all
- `view patient <ATTRIBUTE>` — View each patient's attribute individually
- `view doctor <ATTRIBUTE>` — View each doctor's attribute individually
- `update patient <NAME> <TREATMENT STATUS> <DOCTOR ASSIGNED>` — Update a patient's info
- `update doctor <NAME> <AVAILABILITY> <PATIENT NAME>` — Update a doctor's info
- `discharge patient <NAME>` — Delete patient from system
- `delete doctor <NAME>` — Delete doctor from system
- `popular doctor type` — Show most common doctor specialisation

- `popular visited doctor` — Show most visited doctor
- `stats` — Show hospital-wide metrics
- `exit` — Exit the program