

User Manual

Pharmacy Medication Tracking System

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# Introduction

This project is called the Pharmacy Medication Tracking System. It’s a program that our group built to help manage important information in a pharmacy, like patients, doctors, medications, and prescriptions. The system lets users add, search, update, and delete records, accept new prescriptions, and generate reports to keep everything organized.

# System Requirements

To run this program, you need:

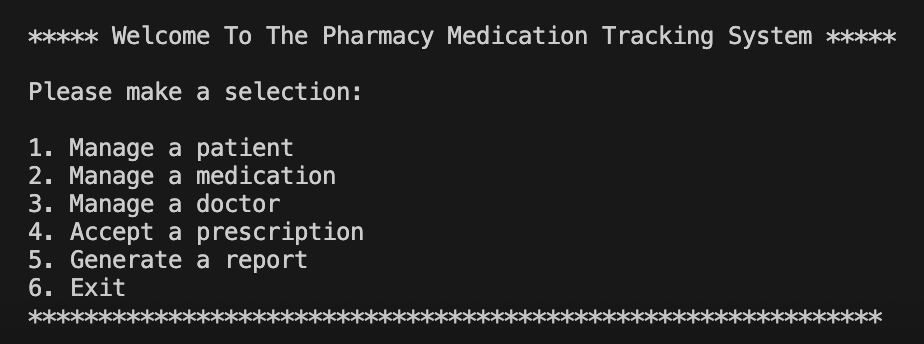
* Java JDK 11 or higher installed
* A computer running Windows, Mac, or Linux
* Access to a terminal or command prompt

# Installation Guide/ Getting Started

* Download the project files from our GitHub repository.
* Open the project folder in Visual Studio Code.
* Make sure Java is installed on your computer.
* Open any Java file in the project.
* Click the Run button or press the play icon at the top to start the program.
* The program will open and show the main menu for you to use.

# Main Menu (1–6)

* The Main Menu provides access to all functions of the program. To navigate, simply type the number associated with the function you wish to perform, and press Enter.



# Manage a patient:

-From the main menu selection screen, type **1**, and press Enter/Return to confirm.

-You will then be greeted with the following sub-menu:

A screen shot of a computer

AI-generated content may be incorrect.

-Type the corresponding option between **1** and **6**, and press Enter/Return to confirm.

## Add a patient:

* Type **1**, and press Enter/Return to add a new patient.
* Follow the prompts to enter:
* First Name: Letters only. To quit, simply type **q**,and press Enter/Return.
* Last Name: Letters only.
* Date of Birth: Format must be YYYY-MM-DD. For example, 1980-12-31.
* Phone Number: Exactly 10 digits, no spaces or special characters.
* Gender: Enter M for Male, F for Female, or O for Other.

It should look as follows:

A black screen with white text

AI-generated content may be incorrect.

* You will then be prompted to add another patient. Type **Y** for "Yes" or **N** for "No", and press Enter/Return to confirm. Select "No" to return to the main menu.

## Find a patient:

* Type **2**, and press Enter/Return to search for a patient and display their personal information, list of medications and list of prescriptions.
* You can search for a patient either by their ID, or first name and last name.
* Follow the prompts to enter:
* Patient ID: A numerical value over 0 is accepted. Leave blank, and press Enter/Return to search by full name instead.
* First Name: Letters only.
* Last Name: Letters only.

It should look as follows:

A computer screen with white text

AI-generated content may be incorrect.

## Edit a patient:

* Type **3**, and press Enter/Return to edit a patient's personal information.
* To edit a patient's details, you will first be prompted to select the patient, which is done by using the "Find a Patient" functionality. Please refer to section 5.2 for guidance.
* Once a patient has been selected, their current details will be displayed. You will then be prompted to input the updated data.
* You only need to input the values that need to change. Leave a blank value, followed by Enter/Return to leave the data unchanged.
* Next, you will be prompted to confirm the changes. Type **Y** for "Yes" or **N** for "No", and press Enter/Return to confirm.
* Finally, you will then be prompted to edit another patient. Type **Y** for "Yes" or **N** for "No", and press Enter/Return to confirm. Select "No" to return to the main menu.

It should look as follows:

A screenshot of a computer

AI-generated content may be incorrect.

## Delete a patient:

* Type **4**, and press Enter/Return to delete a patient from the database.
* To delete a patient, you will first be prompted to select the patient, which is done by using the "Find a Patient" functionality. Please refer to section 5.2 for guidance.
* Once a patient has been selected, their current details will be displayed. You will then be prompted to delete the patient.
* Next, you will be prompted to confirm the deletion. Type **Y** for "Yes" or **N** for "No", and press Enter/Return to confirm.
* Finally, you will then be prompted to delete another patient. Type **Y** for "Yes" or **N** for "No", and press Enter/Return to confirm. Select "No" to return to the main menu.

It should look as follows:

A computer screen with white text

AI-generated content may be incorrect.

# Manage a Medication

## Add a Medication:

## Search a Medication:

## Edit a Medication:

## Delete a Medication:

# Manage a Doctor

- From the Main Menu, select the option for Manage a doctor

- The system will display the following sub menu:

A screen shot of a computer

AI-generated content may be incorrect.

## Add a doctor:

* Select 1 to add a new doctor.
* Follow the prompts to enter:
* First Name: Letters only.
* Last Name: Letters only.
* Date of Birth: Format must be YYYY-MM-DD. For example, 1980-12-31.
* Phone Number: Exactly 10 digits, no spaces or special characters.
* Gender: Enter M for Male, F for Female, or O for Other.
* Specialization: Enter the doctor's area of expertise.
* Once all information is entered correctly, the doctor will be added to the system.
* You will see a confirmation message and be prompted to press Enter to return to the Doctor Management menu.

## Search a doctor:

* Select 2 from the Doctor Management menu.
* Enter the Doctor ID (numeric).
* Enter the Doctor’s First Name and Last Name (letters only).
* If a matching doctor is found, their details will be displayed, including ID, full name, date of birth, phone number, gender, and specialization.
* If no doctor matches the criteria, a message will inform you that the doctor was not found.
* Press Enter to return to the Doctor Management menu.

## Edit a doctor:

* Select 3 from the Doctor Management menu.
* Enter the Doctor ID, First Name, and Last Name of the doctor to edit.
* If the doctor exists, you will be prompted to update:
* Phone Number: Enter a new 10-digit phone number or press Enter to keep the current number.
* Specialization: Enter a new specialization or press Enter to keep the current one.
* The system will confirm the update.
* Press Enter to return to the Doctor Management menu.

## Delete a doctor:

* Select 4 from the Doctor Management menu.
* Enter the Doctor ID, First Name, and Last Name of the doctor you wish to delete.
* If a matching doctor is found, they will be removed from the system.
* A confirmation message will appear.
* Press Enter to return to the Doctor Management menu.

## Back to Main Menu:

* Select 5 to return to the Main Menu at any time.

# Accept a Prescription

# Generate a report

- From the Main Menu, select the option for Generate a report

- The system will display the following sub menu:

A screen shot of a computer

AI-generated content may be incorrect.

# Exiting Program

To close the program:

- Go to the Main Menu.

- Type 6 and press Enter.

- This will shut down the program safely. If you're in a sub-menu, just go back to the main menu first, then select the exit option.

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# Troubleshooting Tips

Here are some quick tips if something goes wrong:

**- The program won't open:**  
Make sure Java is installed. You can check by typing java -version in your terminal.

**- I’m getting errors:**  
Double-check your input. For example, phone numbers must be 10 digits, and dates should look like 1990-01-01.

**- The program crashes or closes:**  
Try restarting it. If you're editing something and it crashes, you may have to start that part over.

# FAQs

**Q: Can I leave stuff blank when editing?**

**A:** Yes! Just hit Enter and the old info will stay the same.

**Q: How do I go back to the main menu?**

**A:** Most sub-menus will give you an option to go back. Just choose it or finish what you're doing.

**Q: What happens if I type something wrong?**

**A:** The program will usually tell you and ask you to try again.

**Q: Can I search without an ID?**

**A:** Yep! Just leave the ID blank and enter the first and last name instead.

**Q: Can I undo a delete?**

**A:** No, once something is deleted, it's gone. You’ll have to re-enter it manually if you need it again.

# Contact Us

If you have any questions or need further assistance, feel free to reach out:

• **Email:**

Justin: Justin.Greenslade@keyin.com Joseph: Joseph.Gallant@keyin.com Ashton: Ashton.Dennis@keyin.com