MCIS Java GUI User Manual
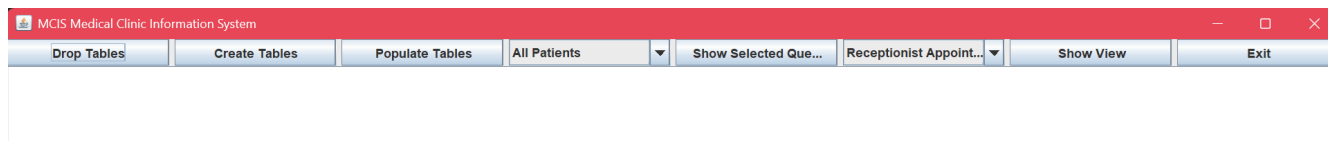Neeti Dhiman
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Starting the Program:

To run the program, follow the steps below:

1. Clone the repository locally
2. Go to terminal and ensure you are in the correct folder (`ls` to check, there should be the `dbmcis.java` file and the `jar` file)
3. Open the `dbmcis.java` file and edit the following lines:
4. Change "USER" to your Oracle username in `private static final String USER = USER`
5. Change "PASS" to your Oracle password in `private static final String USER = PASS`
6. Run the following lines of code in your terminal:
   ```
   javac -cp ".;ojdbc17.jar" dbmcis.java
   java -cp ".;ojdbc17.jar" dbmcis
   ```

Once the GUI opens, you should see the following:

Creating, Populating, and Dropping Tables:

To create tables, click on the `Create Tables` option. You should see the following:

To drop tables, click on the `Drop Tables` option. You should see the following:

If you try to use any features of the GUI (apart from `Create Tables`) after dropping them, it will result in an error message.

You must populate the tables in order to see the results from the Query and View features of the GUI. You can do this by clicking on the Populate Tables option. Once you do that, a `Tables Populated Successfully!` message will appear below the last message.

Now, you can use the rest of the GUI's features. These include viewing the different query results and utilizing various views.

Viewing Queries:

To view different queries, select the following drop-down menu (beside the Populate Tables button) and choose one of the options. After that, click the `Show Selected Query` button to show the results of the query.

For example, if someone wanted a summary of patient billing, they would click on the `Patient Billing Summary` query option and click `Show Selected Query`. The result would be displayed like this:
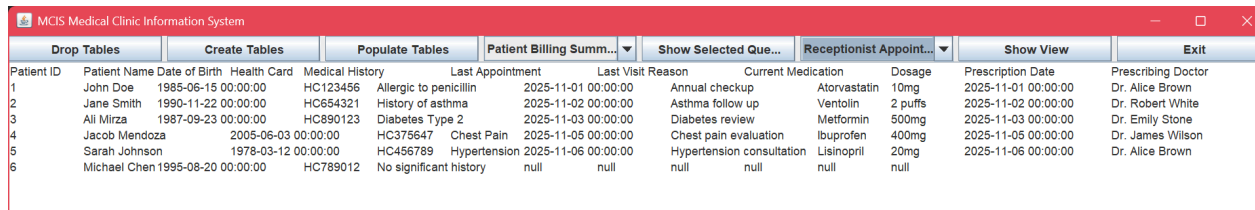

Applying/Changing Views:

There are three views that a user can choose from: `Receptionist Appointment View`, `Billing Officer Reports View`, and `Doctor Patient Records View`. To apply/change your view, open the following drop-down menu:

Once you have selected your view, click `Show View,` and your screen will update based on the information allowed for each view.

For example, if a user only wants to view appointments, they would choose the `Receptionist Appointment View` and click Show View. Their screen would update to the following:

MCIS Medical Clinic Information System							— □ ✕

Drop Tables	Create Tables	Populate Tables	Patient Billing Summ... ▼	Show Selected Que...	Receptionist Appoint... ▼	Show View	Exit

Patient ID	Patient Name	Date of Birth	Health Card	Medical History	Last Appointment	Last Visit Reason	Current Medication	Dosage	Prescription Date	Prescribing Doctor
1	John Doe	1985-06-15 00:00:00	HC123456	Allergic to penicillin	2025-11-01 00:00:00	Annual checkup	Atorvastatin	10mg	2025-11-01 00:00:00	Dr. Alice Brown
2	Jane Smith	1990-11-22 00:00:00	HC654321	History of asthma	2025-11-02 00:00:00	Asthma follow up	Ventolin	2 puffs	2025-11-02 00:00:00	Dr. Robert White
3	Ali Mirza	1987-09-23 00:00:00	HC890123	Diabetes Type 2	2025-11-03 00:00:00	Diabetes review	Metformin	500mg	2025-11-03 00:00:00	Dr. Emily Stone
4	Jacob Mendoza	2005-06-03 00:00:00	HC375647	Chest Pain	2025-11-05 00:00:00	Chest pain evaluation	Ibuprofen	400mg	2025-11-05 00:00:00	Dr. James Wilson
5	Sarah Johnson	1978-03-12 00:00:00	HC456789	Hypertension	2025-11-06 00:00:00	Hypertension consultation	Lisinopril	20mg	2025-11-06 00:00:00	Dr. Alice Brown
6	Michael Chen	1995-08-20 00:00:00	HC789012	No significant history	null	null	null	null	null	null

Exiting the Program:

To exit the program, click on the Exit button. The window will close, and the program will stop running.