Group9
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HealthLink

Application Info

This is a JAVA SWING application designed for healthcare providers to keep track of scheduling, billing, and patient and doctor info. For this version of the program, we have decided to include the primary functions needed for healthcare providers. These are:

1. Show invoices due within the next 10 days
2. Show patient information given name
3. Add patient
4. Show all patients in database
5. Add physician – In case new physicians are hired
6. Show all physicians in database
7. Add appointment
8. View Patient Notes

Database

HealthLink uses queries/views from an Amazon cloud database "**Group9Database.**" The database is stored online to help with efficiency and security. The database is also provided to you via a dump file: **milestone3dump.sql** It can be imported to MySQL.
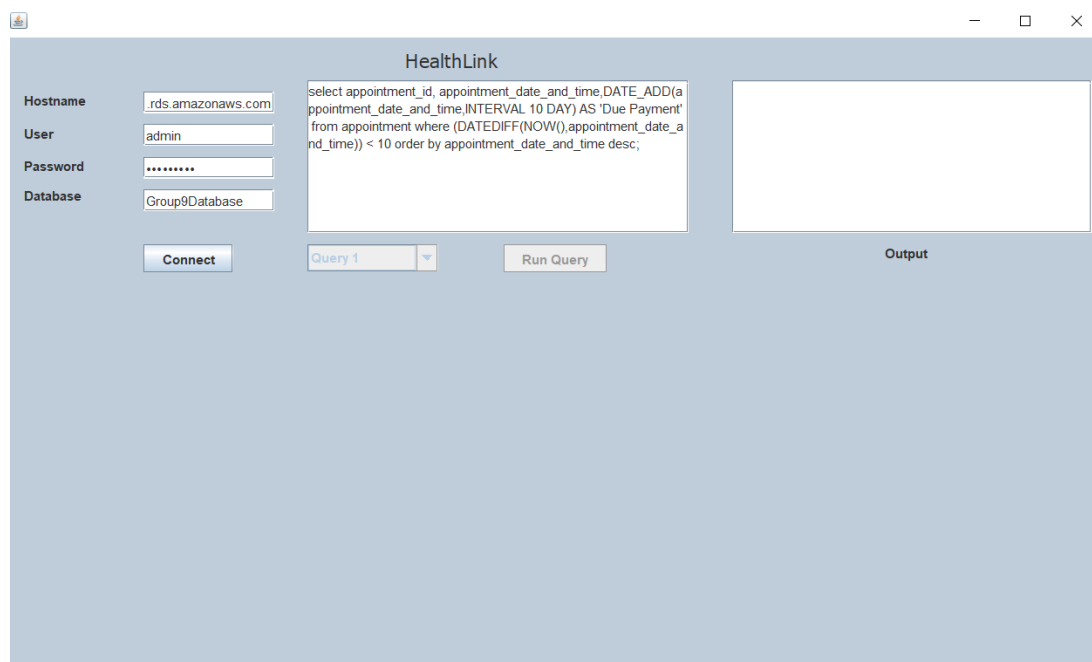
Setup

1. To get the application running, download the Milestone3Group9 file and unzip it to your computer.
2. The file includes:
    a. Application Folder (QueryRunner.zip) – Includes code for application and runnable HealthLink.jar file that can open the application.
    b. ER Diagram – Contains ER diagrams and mwb file.
    c. HealthLink Dump File – Contains database data
    d. HealthLink Instructions – This file
    e. HealthLink PowerPoint – Presentation on the application

Application

- Run the application HealthLink.jar

- Log in to app:
  - **Username: name**
  - **Password: password**
- Connect to database (This information should already be filled in):
  - **Hostname:** group9database.cu9gfg998ag1.us-east-1.rds.amazonaws.com
  - **User:** admin
  - **Password:** AWSg9db!!
  - **Database:** Group9Database
- Click **Connect** to connect to the database.

These are the available functions:

1. **Query 1:** Show invoices due within the next 10 days
2. **Query 2:** Show patient information given the name
3. **Query 3:** Add patient
4. **Query 4:** Show all patients in database
5. **Query 5:** Add physician
6. **Query 6:** Show all physicians in database
7. **Query 7:** Add appointment
8. **Query 8:** View patient notes

1.   Query 1: Show invoices due within the next 10 days

This query will show you the upcoming appointments in the next 10 days and when the invoices are due for the patients.

2. Query 2: Show patient information given the name

This query will let you search for specific patients and see when they have appointments and payments due.

3. Query 3: Add patient

This query lets you add a new patient to the database. Once a patient is added, an appointment can be created for the patient.

4.   Query 4: Show all patients in the database

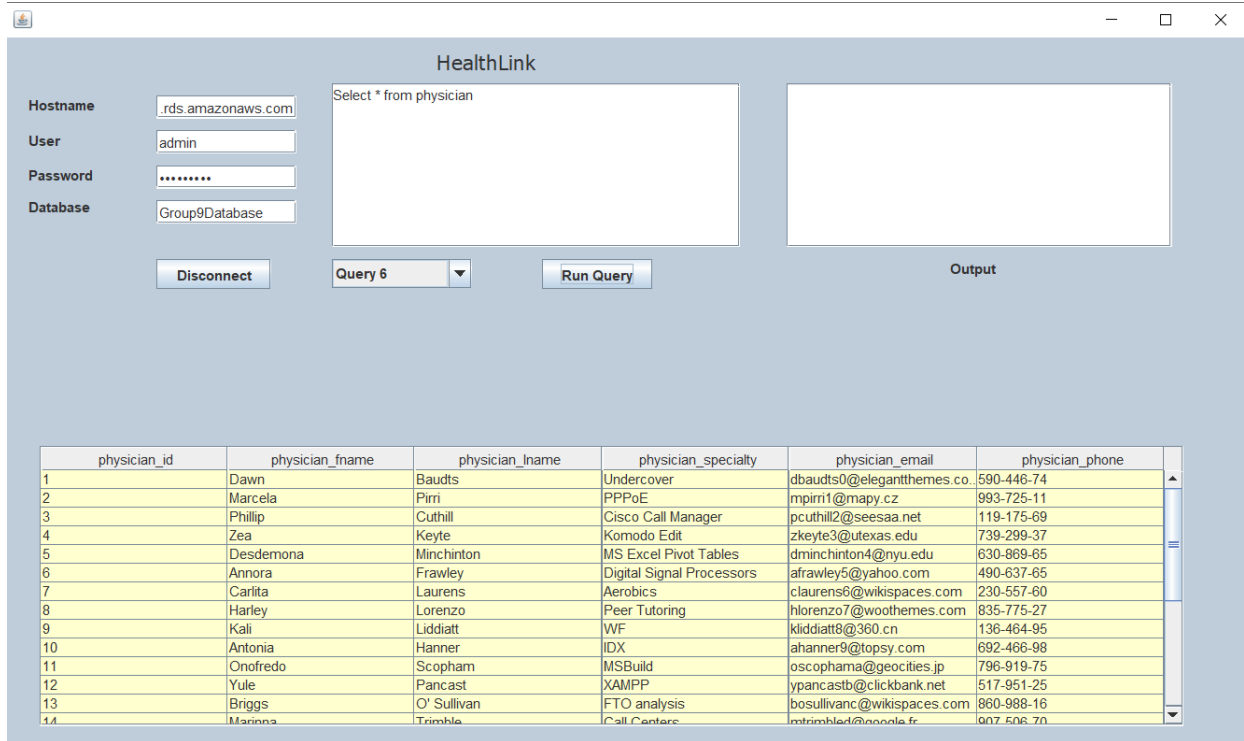This query lets you see all of the registered patients in the HealthLink system.

5.   Query 5: Add physician

This query lets you add a new physician to the database once they are hired. Once added to the database, we can create appointments for them.

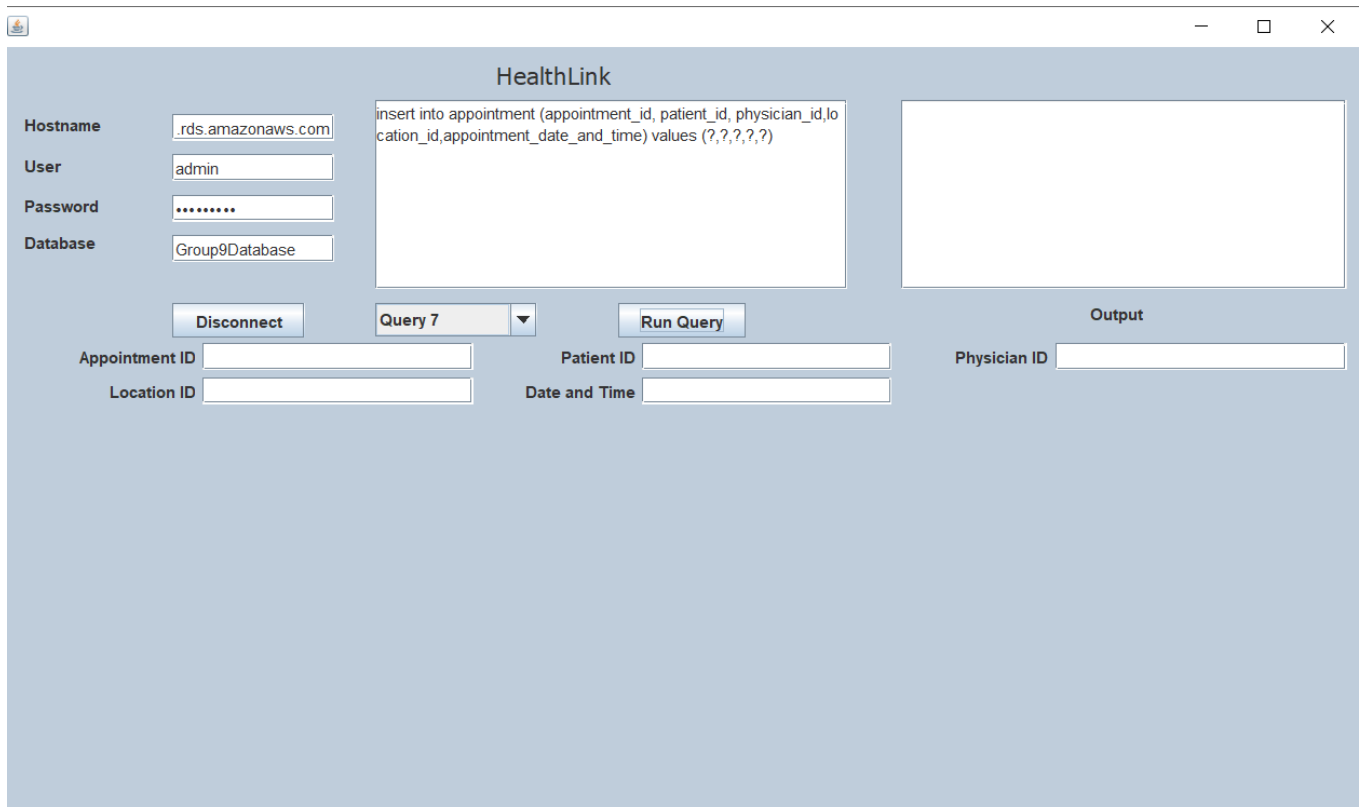6.	**Query 6: Show all physicians in database**

This query allows you to see all of the current physicians in the database. When a client wants to create an appointment, you can choose which doctor they would need to see based on their specialty.

7.	**Query 7: Add appointment**

This query lets you create a new appointment for a patient.

8. Query 8: View Patient Notes

This query lets a doctor see a patient's prior appointments and the notes that previous doctors left.

Improvements

1. Added extra input boxes. There were originally 8, and we had to increase it to 10, because Add Patient requires 10 fields.
2. Created Log-In window that makes sure user is using correct username and password
3. Changed the color of the application window
4. Logo created using https://hatchful.shopify.com/