**Appts Calendar**

"SELECT Count(UsernameOfPatient) AS Count FROM Request\_Appointment " +

"WHERE UsernameOfDoctor = " + uname + " AND date = '" + myDay + "';"

**Billing**

"SELECT \* FROM Visit WHERE UsernameOfPatient = " + uname +";";

"SELECT \* FROM Performs\_Surgery WHERE UsernameOfPatient = " + uname +";";

"SELECT \* FROM Surgery;";

query = "SELECT \* FROM Patient WHERE Name = " + patient +";";

**Display Page**

"SELECT \* FROM Request\_Appointment " +

"WHERE UsernameOfDoctor = " + uname + " AND date = '" + date + "';";

"SELECT Name FROM Patient " +

"WHERE Username = \"" + uname + "\";";

**Doctor HomePage**

"SELECT Count(status) AS Count FROM Communicates\_With " +

"WHERE status = 'Unread' AND UsernameOfDoctor = " + uname + ";";

"SELECT Count(status) AS Count FROM Send\_Message\_To\_Doctor " +

"WHERE status = 'Unread' AND UsernameOfDoctor = " + uname + ";";

**Doctor Performance Report**

"SELECT \* FROM Doctor WHERE Specialty = 'General Physician';";

"SELECT \* FROM Doctor WHERE Specialty = 'Heart Specialist';";

"SELECT \* FROM Doctor WHERE Specialty = 'Eye Physician';";

"SELECT \* FROM Doctor WHERE Specialty = 'Orthopedics';";

"SELECT \* FROM Doctor WHERE Specialty = 'Psychiatry';";

"SELECT \* FROM Doctor WHERE Specialty = 'Gynecologist';";

"SELECT COUNT(UsernameOfDoctor) AS Number From Performs\_Surgery WHERE UsernameOfDoctor = " + dname + ";";

"SELECT avg(Rating) AS Rating From rates WHERE UsernameOfDoctor = " + dname + ";";

**Doctor Profile**

"INSERT INTO Doctor (Username, LicenseNo, FirstName, LastName, DateOfBirth, WorkPhone, Specialty, RoomNumber, HomeAddress)"

+ " VALUES (" + uname + ", " + license + ", " + firstName + "," + lastName + ", " + bDay + ", "+ workNumber + ", " + spec + ", " + roomNumber + ", " + address + ")"

+ " ON DUPLICATE KEY "

+ "UPDATE FirstName = " + firstName + ", LastName = " + lastName + ", DateOfBirth = " + bDay + ", WorkPhone = " + workNumber + ", Specialty = " + spec + ", RoomNumber = " + roomNumber + ", HomeAddress = " + address + ";";

"INSERT INTO Doctor\_Availability (Username, Begin, Day, End) VALUES" +

" (" + uname + ", '" + start.getSelectedItem().toString().trim() +"', " + d + ", '" + end.getSelectedItem().toString().trim() +"');";

**DoctorViewsHistory**

"SELECT \* FROM Patient WHERE Name = " + patient +";";

"SELECT \* FROM Patient WHERE HomePhone = " + num +";";

"SELECT \* FROM Patient;";

"SELECT \* FROM Patient WHERE Name = " + patient +" AND HomePhone = " + num +";";

**DoctorViewsPatientHistory**

"SELECT dateOfVisit FROM Visit " +

"WHERE UsernameOfPatient = " + patientUsername + "AND UsernameOfDoctor = " + username +

" ORDER BY dateOfVisit;";

"Select \* from Visit "//NATURAL JOIN Visit\_Diagnosis "

+ "Where dateOfVisit = '" + myTime + "' AND UsernameOfPatient = " + patientUsername+" AND UsernameOfDoctor = " + username + ";";

"Select FirstName, LastName FROM Doctor"

+ " WHERE Username = \"" + doctor1 + "\";";

"SELECT Diagnosis From Visit\_Diagnosis WHERE DateOfVisit = '" + myTime + "' AND UsernameOfDoctor = " + username + " AND " +

"UsernameOfPatient = " + patientUsername + ";";

"SELECT \* From Results\_In WHERE UsernameOfPatient = " + patientUsername + " AND dateOfVisit = '" + myTime + "' AND UsernameOfDoctor = " + username + " ;";

**Edit Doctor Profile**

"INSERT INTO Doctor (Username, LicenseNo, FirstName, LastName, DateOfBirth, WorkPhone, Specialty, RoomNumber, HomeAddress)"

+ " VALUES (" + uname + ", " + license + ", " + firstName + "," + lastName + ", " + bDay + ", "+ workNumber + ", " + spec + ", " + roomNumber + ", " + address + ")"

+ " ON DUPLICATE KEY "

+ "UPDATE FirstName = " + firstName + ", LastName = " + lastName + ", DateOfBirth = " + bDay + ", WorkPhone = " + workNumber + ", Specialty = " + spec + ", RoomNumber = " + roomNumber + ", HomeAddress = " + address + ";";

"INSERT INTO Doctor\_Availability (Username, Begin, Day, End) VALUES" +

" (" + uname + ", '" + start.getSelectedItem().toString().trim() +"', " + d + ", '" + end.getSelectedItem().toString().trim() +"');";

**InboxDoctorDoctor**

SELECT \* FROM Communicates\_With " +

"LEFT OUTER JOIN Doctor ON Doctor.Username = Communicates\_With.UsernameOfDoctor2 " +

"WHERE UsernameOfDoctor = " + username +

" ORDER BY DATETIME;";

"SELECT Count(status) AS Count FROM Communicates\_With " +

"WHERE UsernameofDoctor = " + username + ";";

"Update Communicates\_With " +

"SET status = '" + noo.getTroll().getSelectedItem().toString() + "' " +

"WHERE UsernameofDoctor2 = " + "\"" + noo.getPat() + "\""+

" AND UsernameOfDoctor = " + username +

" AND dateTime = " + "\""+ noo.getDateTime() + "\""+ ";";

**InboxDoctorPatient**

SELECT \* FROM Send\_Message\_To\_Doctor " +

"LEFT OUTER JOIN Patient ON Patient.Username = Send\_Message\_To\_Doctor.UsernameOfPatient " +

"WHERE UsernameOfDoctor = " + username +

" ORDER BY DATETIME;";

"SELECT Count(status) AS Count FROM Send\_Message\_To\_Doctor " +

"WHERE UsernameOfDoctor = " + username + ";";

"Update Send\_Message\_To\_Doctor " +

"SET status = '" + noo.getTroll().getSelectedItem().toString() + "' " +

"WHERE UsernameOfPatient = " + "\"" + noo.getPat() + "\""+

" AND UsernameOfDoctor = " + username +

" AND dateTime = " + "\""+ noo.getDateTime() + "\""+ ";";

**InboxPatient**

"SELECT \* FROM Send\_Message\_To\_Patient " +

"LEFT OUTER JOIN Doctor ON Doctor.Username = Send\_Message\_To\_Patient.UsernameOfDoctor " +

"WHERE UsernameOfPatient = " + username +

" ORDER BY DATETIME;";

“SELECT Count(status) AS Count FROM Send\_Message\_To\_Patient " +

"WHERE UsernameOfPatient = " + username + ";";

"Update Send\_Message\_To\_Patient " +

"SET status = '" + noo.getTroll().getSelectedItem().toString() + "' " +

"WHERE UsernameOfDoctor = " + "\"" + noo.getDoc() + "\""+ " AND UsernameOfPatient = " + username +

" AND dateTime = " + "\""+ noo.getDateTime() + "\""+ ";";

**Login**

"SELECT Type from User WHERE Username = " + uname + " AND Password = " + psw + ";";

"Select \* from Doctor where Username = " + uname + ";";

"Select \* from Patient where Username = " + uname + ";";

"SELECT Type from User WHERE Username = " + uname + " AND Password = " + psw + ";";

"Select \* from Doctor where Username = " + uname + ";";

"Select \* from Patient where Username = " + uname + ";";

**New User Registration**

"SELECT Username from User WHERE Username = " + uname +";";

"INSERT INTO User (Username, Password, Type) Values (" + uname + "," + psw + "," + type +");";

**Order Medication**

"INSERT INTO Order\_Medication (UsernameOfPatient, UsernameOfDoctor, MedicineName, dateOfVisit, Dosage, Duration, Notes) " +

"VALUES (" + username +", " +doc + ", "+ medicine + ", "+ dateOfVisit2 + ", "+dos+" , "+duration+ ", " + note+");";

"SELECT \* FROM Results\_In LEFT OUTER JOIN Doctor ON Doctor.Username = UsernameOfDoctor " +

"WHERE UsernameOfPatient = " + username + ";";

**Patient History**

"SELECT \* FROM Results\_In LEFT OUTER JOIN Doctor ON Doctor.Username = UsernameOfDoctor " +

"WHERE UsernameOfPatient = " + username + ";";

"Select FirstName, LastName FROM Doctor"

+ " WHERE Username = \"" + info.getString("UsernameOfDoctor") + "\";";

"SELECT Count(dateOfVisit) AS Count FROM Visit " +

"WHERE UsernameOfPatient = " + username + ";";

**Patient Home**

"SELECT Count(status) AS Count FROM Send\_Message\_To\_Patient " +

"WHERE status = 'Unread' AND UsernameOfPatient = " + username + ";";

**Patient Profile**

"INSERT INTO Patient (Username, AnnualIncome, Name, HomePhone, DateofBirth, Gender, Address, WorkPhone, ContactName, ContactPhone, Weight, Height)"

+ " VALUES (" + uname + ", '" + income2 + "', " + name2 + ", " + homeNumber + ", " + bDay + ", " + gender2 + ", " + address + ", " + workNumber + ", " + emergencyName2 + " , " + emergencyPhone2 + ", " + we + ", " + he + ")"

+ " ON DUPLICATE KEY"

+ " UPDATE AnnualIncome = '" + income2 + "', Name = " + name2 + ", HomePhone = " + homeNumber + ", DateofBirth = " + bDay + ", Gender = " + gender2 + ", Address = " + address + ", WorkPhone = " + workNumber + ", ContactName = " + emergencyName2 + ", ContactPhone = " + emergencyPhone2 + ", Weight = " + we + ", Height = " + 79 + ";";

"INSERT INTO Patient2 (UsernameOfPatient, Allergies) Values (" + uname + ", \"" + joe.getText().toString() + "\") ON DUPLICATE KEY UPDATE UsernameOfPatient = " + uname + ", Allergies = \"" + joe.getText().toString() + "\";";

**PatientVisitHistory**

"SELECT dateOfVisit FROM Visit " +

"WHERE UsernameOfPatient = " + username +

" ORDER BY dateOfVisit;";

"Select \* from Visit "//NATURAL JOIN Visit\_Diagnosis "

+ "Where dateOfVisit = '" + myTime + "' AND UsernameOfPatient = " + username+";";

"Select FirstName, LastName FROM Doctor"

+ " WHERE Username = \"" + doctor1 + "\";";

"SELECT Diagnosis From Visit\_Diagnosis WHERE DateOfVisit = '" + myTime + "' AND UsernameOfDoctor = \"" + doctor1 +"\" AND " +

"UsernameOfPatient = " + username + ";";

"SELECT \* From Results\_In WHERE UsernameOfPatient = " + username + " AND dateOfVisit = '" + myTime + "' AND UsernameOfDoctor = \"" + doctor1 + "\";";

**PatientVisitReport**

"Select \* FROM Doctor;";

"Select \* FROM Surgery;";

"SELECT \* FROM Visit;";

"SELECT \* FROM Results\_In;";

**Payment Information**

"SELECT \* From Payment\_Information WHERE UsernameOfPatient = " +username +";";

"INSERT INTO Payment\_Information (cardNumber, cardType, cvv, cardExpirationDate, cardHolderName, UsernameOfPatient) " +

"VALUES (" + card + ", " + type2+", " + cvv2 +", " + expiry2 + ", " + name2 + ", " + username+");";

**Rate A Doctor**

"INSERT INTO rates(UsernameOfDoctor, UsernameOfPatient, Rating)" +

"VALUES (" + dname + "," +username +"," + rate + ")" +

"ON DUPLICATE KEY UPDATE Rating = " + rate + ";";

"SELECT \* From Visit LEFT JOIN Doctor " + "" +

"ON Visit.UsernameOfDoctor = Doctor.Username WHERE UsernameOfPatient = " + username + ";";

**Record A Surgery**

"SELECT \* FROM Patient WHERE Name = " + patient +";";

**Record A Surgery2**

"SELECT CPTCode FROM Surgery WHERE SurgeryType = \"" + surgeries.getItemAt(surgeries.getSelectedIndex()) + "\";";

"SELECT surgeryType FROM Surgery;";

"SELECT Name FROM Patient WHERE Username = \"" + uname + "\";";

"SELECT FirstName, LastName FROM Doctor WHERE Username = " + uname + ";";

"INSERT INTO Performs\_Surgery (UsernameOfDoctor, UsernameOfPatient, CPTCode, complications, startTime, endTime, anethesiaStartTime, numberOfAssistants)"

+ " VALUES (\"" + usernameOfDoctor + "\", \"" + usernameOfPatient + "\", '" + code2 + "', \"" + complications2 + "\", '" + currDate + " " + startTime2 + ":00', '" + currDate + " " + endTime2 + ":00', '" + aStart2 + "', '" + numberOfAssistants2 + "')"

+ " ON DUPLICATE KEY "

+ "UPDATE complications = \"" + complications2 + "\", startTime = '" + currDate + " " + startTime2 + ":00', endTime = '" + currDate + " " + endTime2 + ":00', anethesiaStartTime = '" + aStart2 + "', numberOfAssistants = " + numberOfAssistants2 + ";";

**Record A Visit**

"SELECT Count(UsernameOfPatient) AS Count FROM Visit " +

"WHERE UsernameOfPatient = \"" + patientUsername + "\";";

"INSERT INTO Visit( UsernameOfDoctor, UsernameOfPatient, dateOfVisit, BillingAmount, Diastolic, Systolic)"

+ " VALUES (" + uname + ", \"" + patientUsername + "\", '" + time + "', " + joe + ", " + diastolic2 + ", " + systolic2 + ");";

"DELETE FROM Request\_Appointment WHERE UsernameOfDoctor = " + uname + " AND UsernameOfPatient = \"" + patientUsername + "\";";

"INSERT INTO Visit\_Diagnosis (UsernameOfDoctor, UsernameOfPatient, dateOfVisit, diagnosis) "

+ "Values (" + uname + ", \"" + patientUsername + "\", '" + time + "', \"" + diagnosis2 + "\");";

"SELECT AnnualIncome FROM Patient WHERE Username = \"" + uname + "\";";

"INSERT INTO Results\_In (UsernameOfDoctor, UsernameOfPatient, dateOfVisit, MedicineName, Dosage, Duration, Notes) "

+ "Values (" + uname + ", \"" + patientUsername + "\", '" + time + "', \"" + dname2 + "\", " + dosage2 + ", \"" + duration2 + "\", \"" + notes2 + "\");";

**ScheduleAppointments**

"INSERT INTO Request\_Appointment (UsernameOfDoctor, UsernameOfPatient, date, scheduledTime) " +

"VALUES ("+uname+", "+username +", '"+ dt + "', '" + a+"');";

"SELECT Doctor.Username, FirstName, LastName, WorkPhone, RoomNumber, " +

"Begin, Day, End, x.Rating AS Rating from Doctor " +

"LEFT JOIN(SELECT rates.UsernameOfDoctor, avg(Rating)" +

" AS Rating From rates " +

"GROUP BY rates.UsernameOfDoctor" +

") AS x " +

"ON x.UsernameOfDoctor = Doctor.Username " +

"LEFT JOIN Doctor\_Availability " +

"ON Doctor\_Availability.Username = Doctor.Username " +

"WHERE Doctor.Specialty = '" + specialty.getSelectedItem() + "';";

**Send Message to Doctor**

"SELECT \* From Doctor;";

"INSERT INTO Send\_Message\_To\_Doctor(UsernameOfDoctor, UsernameOfPatient, content, dateTime, status)" +

"VALUES (" + dname + ", " +username +", " + mess +", " + dateTime +", 'Unread'"+ ")" +

"ON DUPLICATE KEY UPDATE content = " + mess +", status = 'Unread'" + ";";

**Send Message Doctor to Doctor**

"SELECT \* From Doctor;";

"INSERT INTO Communicates\_With(UsernameofDoctor, UsernameofDoctor2, Content, dateTime, Status)" +

"VALUES (" + dname + ", " +username +", " + mess +", " + dateTime +", 'Unread'"+ ")" +

"ON DUPLICATE KEY UPDATE Content = " + mess +", Status = 'Unread'" + ";";

**Send Message to Patient**

"SELECT \* From Patient;";

"INSERT INTO Send\_Message\_To\_Patient(UsernameOfDoctor, UsernameOfPatient, content, dateTime, status)" +

"VALUES (" + username + ", " + dname +", " + mess +", " + dateTime +", 'Unread'"+ ")" +

"ON DUPLICATE KEY UPDATE content = " + mess +", status = 'Unread'" + ";";

**Surgeries Performed**

"Select \* FROM Performs\_Surgery LEFT OUTER JOIN Patient ON Patient.Username = UsernameOfPatient WHERE 'startTime' > CURDATE( ) - INTERVAL 3 MONTH;";

"Select \* FROM Surgery;";