HOSPITAL MANAGEMENT SYSTEM

UI DESIGN AND DATABASES

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GUI Design

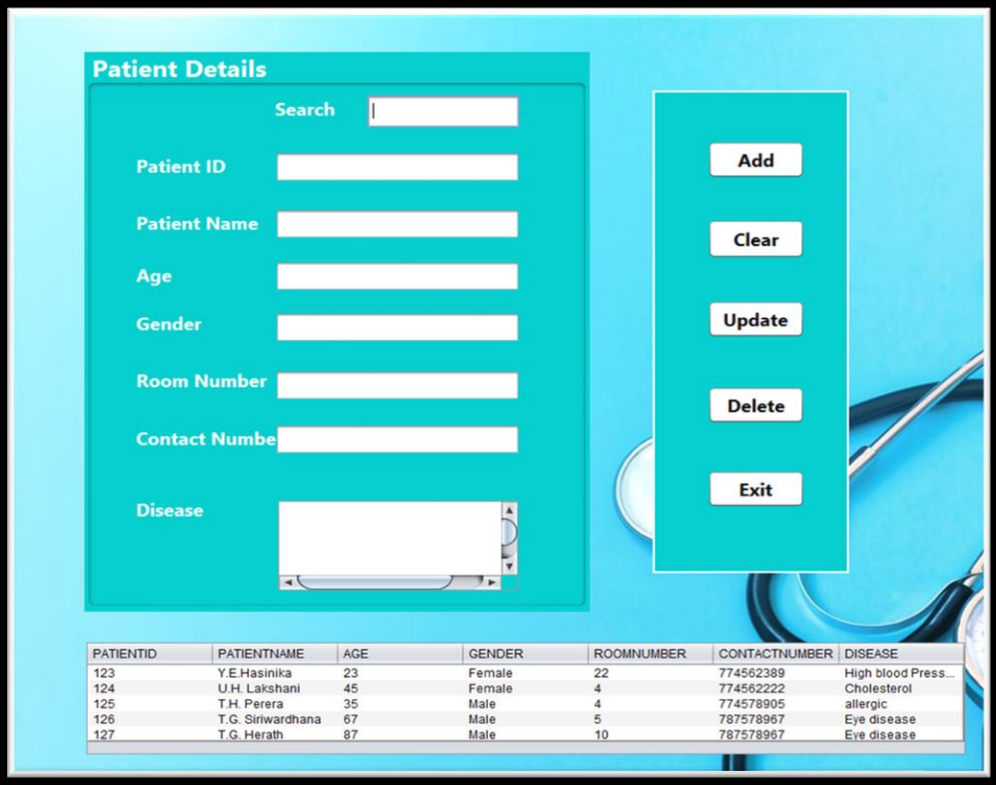
The IDE's GUI Builder makes it possible to build professional-looking GUIs without an intimate understanding of layout managers. We can lay out our forms by simply placing components where we want them. I used JFrame to design interfaces of the system in java NetBeans IDE. Eleven interfaces have included in this system. Splash window, Login Window, Main Window, Patient, Doctor, Staff, Medicine Information, Payment Information, Manage Channel, Hospital Information and Login are the Interfaces of this Hospital Management System.

01. Splash Window

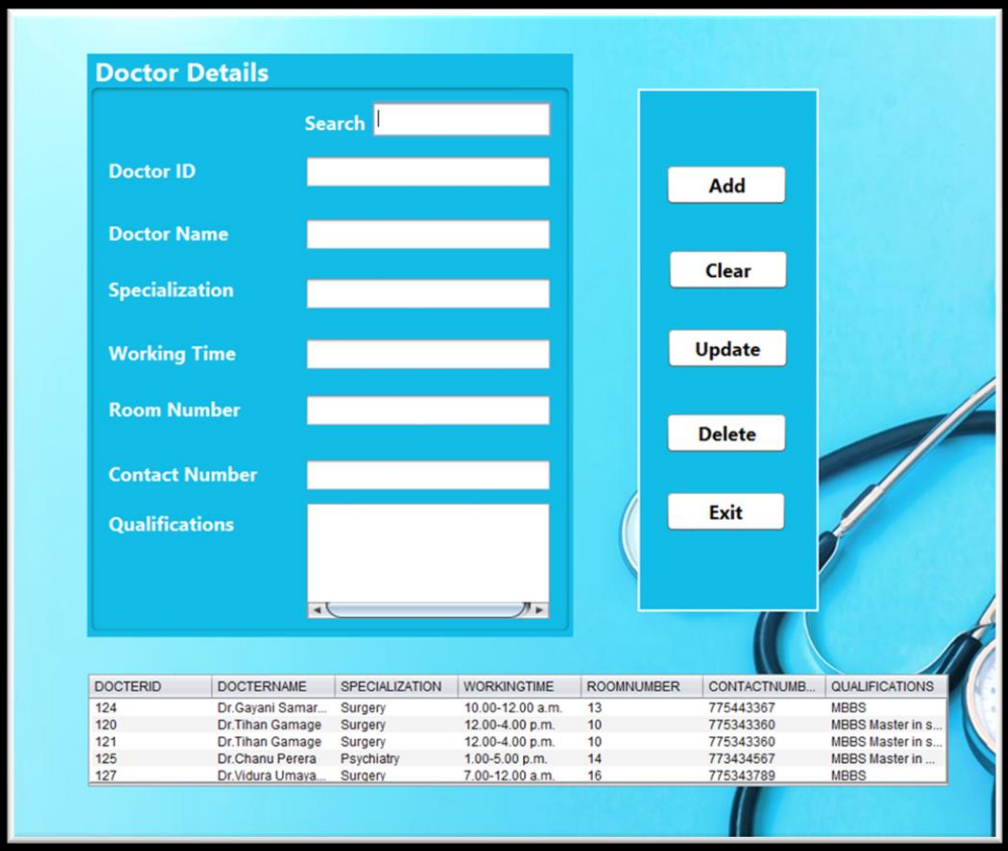
02.Login Window

03.Main Window

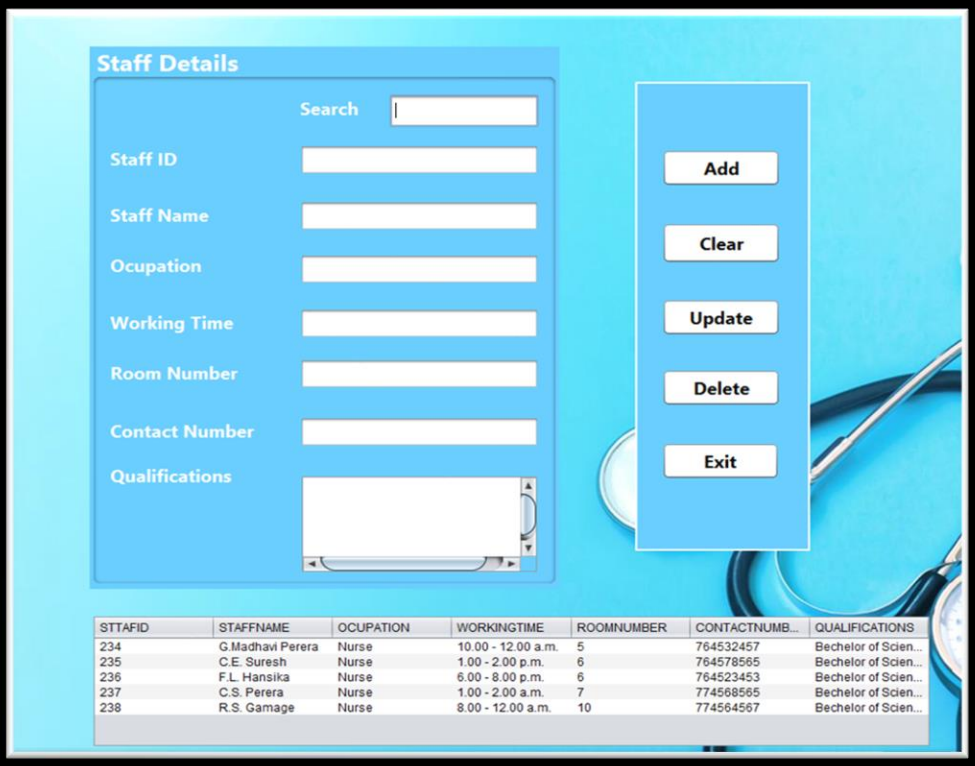
04.Patient Details Window



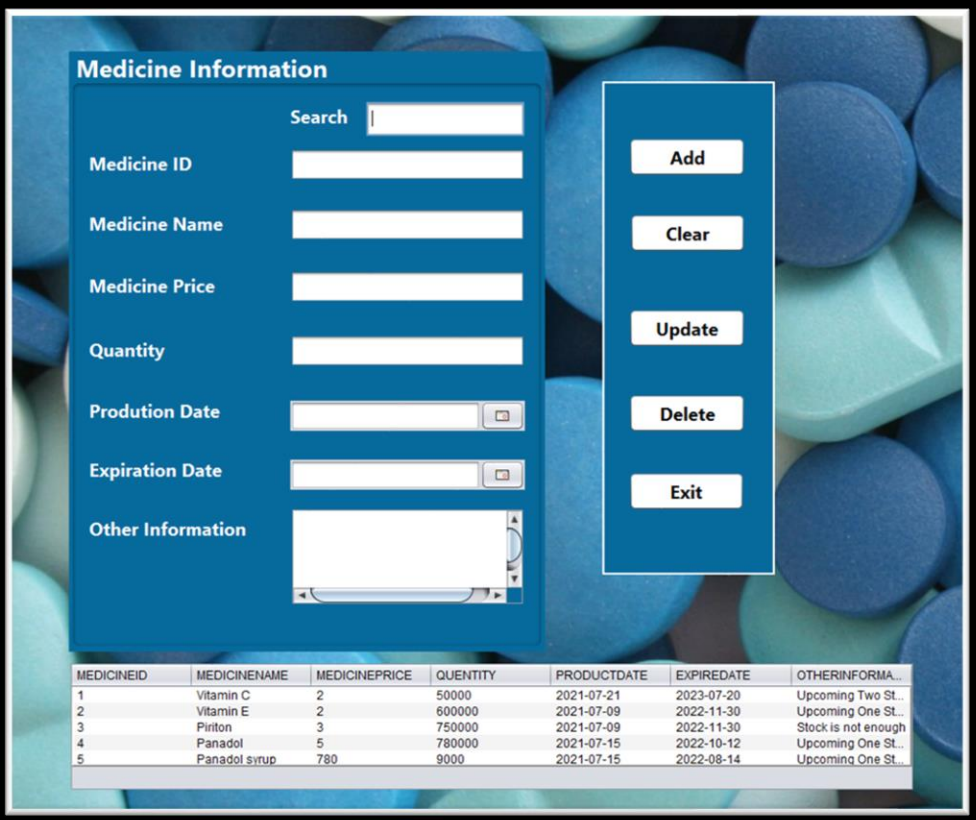
05.Doctor Details Window



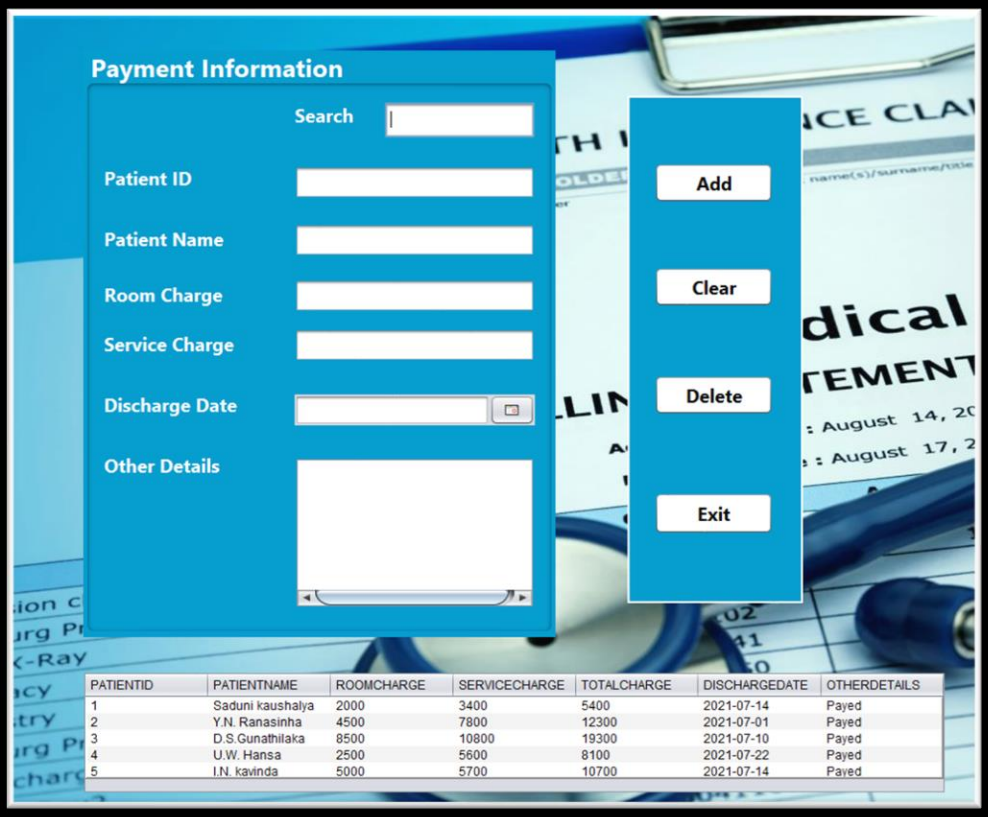
06.Staff Details Window



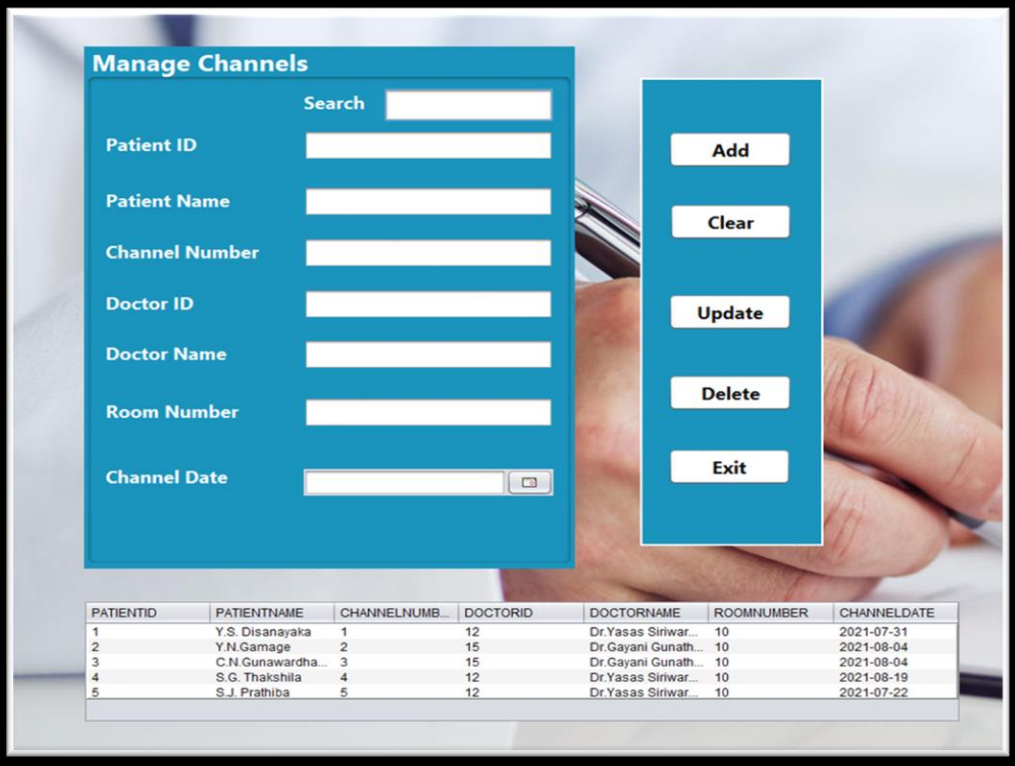
07.Medicine Information Window



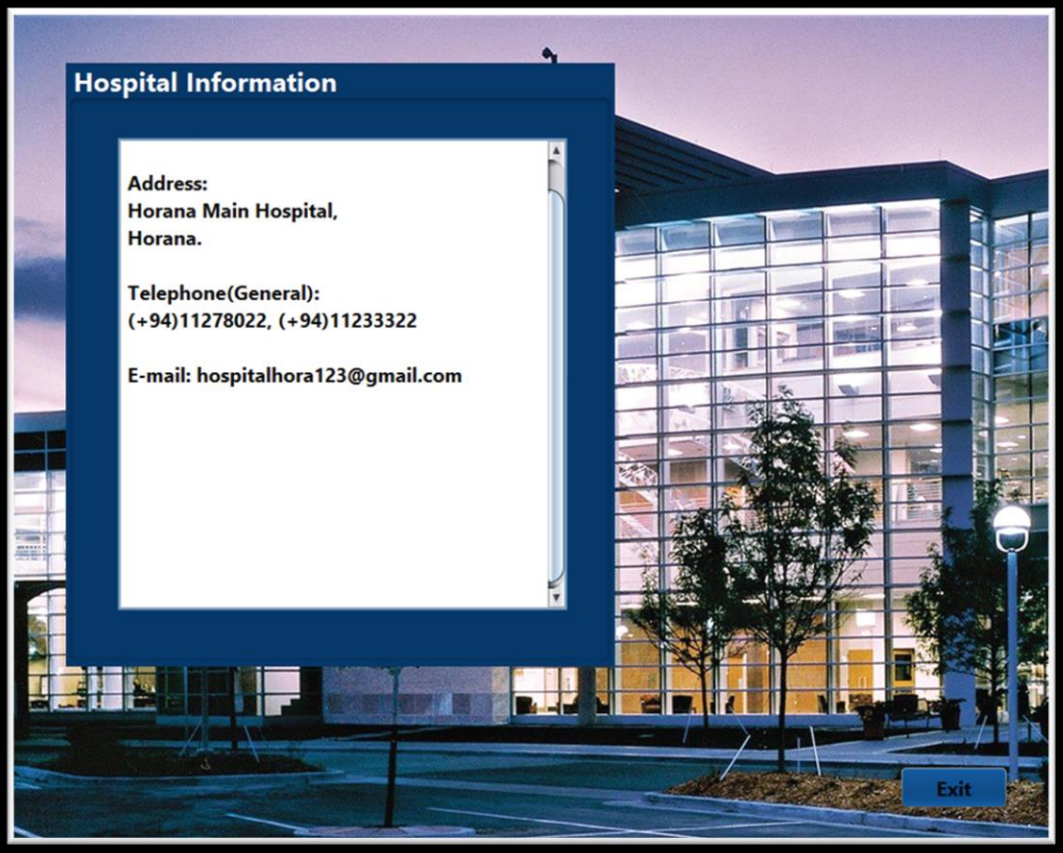
08.Payment Information Window



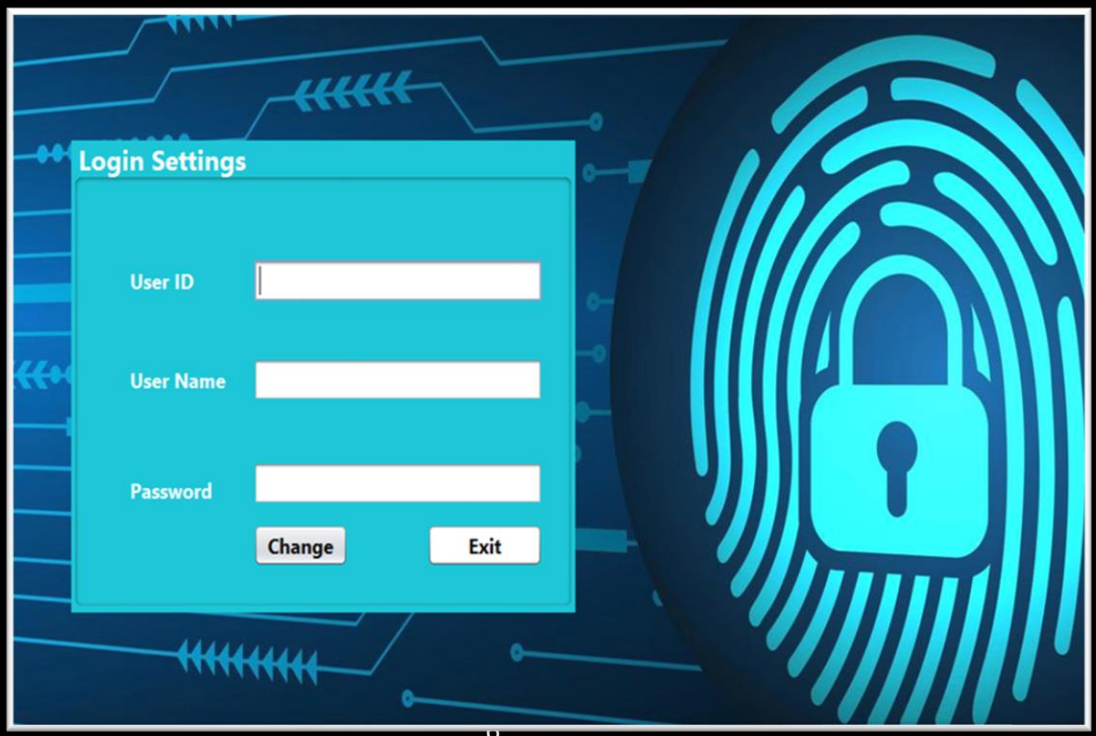
09.Manage Channels Window



10.Hospital Information Window



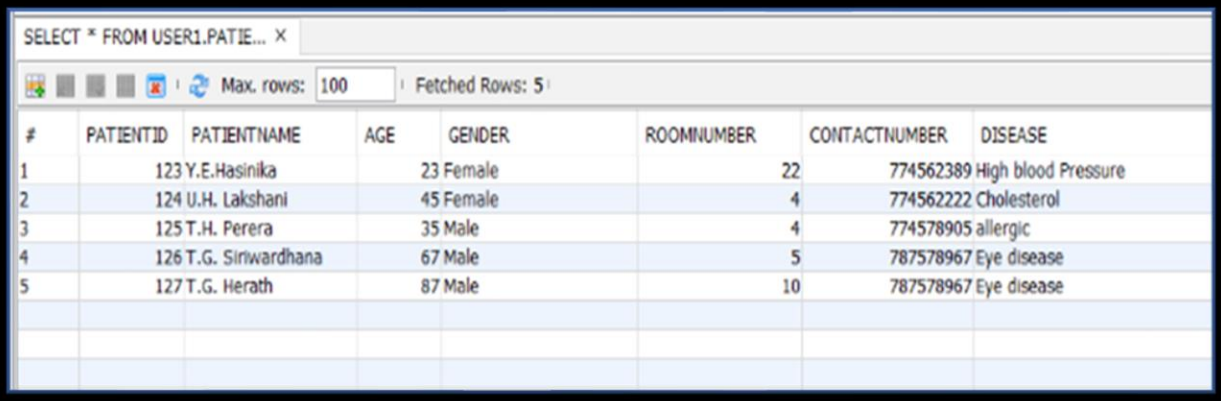
11.Login Settings Window



Data Modelling

Java DB is a fully transactional, secure, standards-based database server, written entirely in Java, and fully supports SQL, JDBC API, and Java EE technology. The Java DB database is packaged with the GlassFish application server, and is included in JDK 6 as well. This system has Seven databases relevant to the hospital management system. I create databases using MySQL database in NetBeans IDE. Patient Details, Doctor Details, Staff Details, Medicine Information, Payment Information, Manage Channels and Login are the databases that I created for Hospital Management System.

01.Patient Details

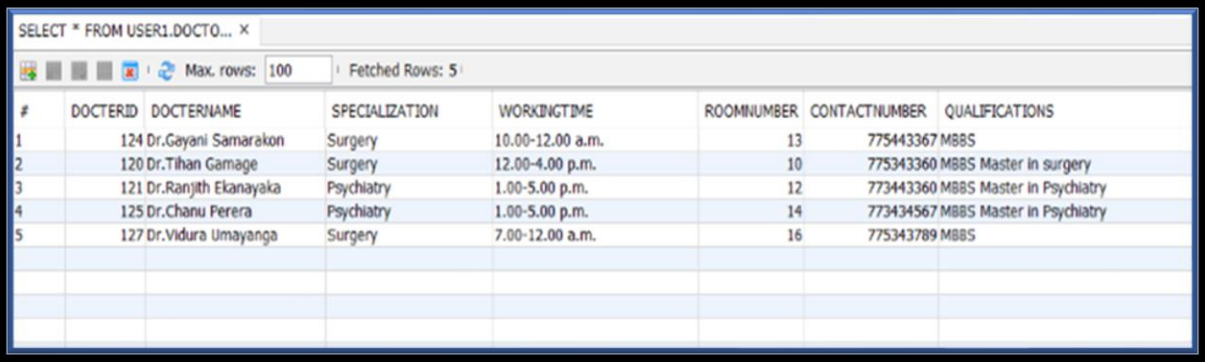


SELECT * FROM USER1.PATIE... ×

Max. rows: 100 Fetched Rows: 5

#	PATIENTID	PATIENTNAME	AGE	GENDER	ROOMNUMBER	CONTACTNUMBER	DISEASE
1	123	Y.E.Hasinika	23	Female	22	774562389	High blood Pressure
2	124	U.H. Lakshani	45	Female	4	774562222	Cholesterol
3	125	T.H. Perera	35	Male	4	774578905	allergic
4	126	T.G. Siriwardhana	67	Male	5	787578967	Eye disease
5	127	T.G. Herath	87	Male	10	787578967	Eye disease

02.Doctor Details



SELECT * FROM USER1.DOCTO... ×

Max. rows: 100 Fetched Rows: 5

#	DOCTERID	DOCTERNAME	SPECIALIZATION	WORKINGTIME	ROOMNUMBER	CONTACTNUMBER	QUALIFICATIONS
1	124	Dr.Gayani Samarakon	Surgery	10.00-12.00 a.m.	13	775443367	MBBS
2	120	Dr.Tihan Gamage	Surgery	12.00-4.00 p.m.	10	775343360	MBBS Master in surgery
3	121	Dr.Ranjith Ekanayaka	Psychiatry	1.00-5.00 p.m.	12	773443360	MBBS Master in Psychiatry
4	125	Dr.Chanu Perera	Psychiatry	1.00-5.00 p.m.	14	773434567	MBBS Master in Psychiatry
5	127	Dr.Vidura Umayanga	Surgery	7.00-12.00 a.m.	16	775343789	MBBS

03.Staff Details

SELECT * FROM USER1.STAFF... ×

Max. rows: 100 Fetched Rows: 5

#	STTAFID	STAFFNAME	OCUPATION	WORKINGTIME	ROOMNUMBER	CONTACTNUMBER	QUALIFICATIONS
1	234	G.Madhavi Perera	Nurse	10.00 - 12.00 a.m.	5	764532457	Bechelor of Science in Nursing Two years work experience
2	235	C.E. Suresh	Nurse	1.00 - 2.00 p.m.	6	764578565	Bechelor of Science in Nursing
3	236	F.L. Hansika	Nurse	6.00 - 8.00 p.m.	6	764523453	Bechelor of Science in Nursing
4	237	C.S. Perera	Nurse	1.00 - 2.00 a.m.	7	774568565	Bechelor of Science in Nursing
5	238	R.S. Gamage	Nurse	8.00 - 12.00 a.m.	10	774564567	Bechelor of Science in Nursing

04.Medicine Information

SELECT * FROM USER1.MEDIC... ×

Max. rows: 100 Fetched Rows: 5

#	MEDICINEID	MEDICINENAME	MEDICINEPRICE	QUENTITY	PRODUCTDATE	EXPIREDATE	OTHERINFORMATION
1	1	Vitamin C	2	50000	2021-07-21	2023-07-20	Upcoming Two Stock
2	2	Vitamin E	2	600000	2021-07-09	2022-11-30	Upcoming One Stock
3	3	Piriton	3	750000	2021-07-09	2022-11-30	Stock is not enough
4	4	Panadol	5	780000	2021-07-15	2022-10-12	Upcoming One Stock
5	5	Panadol syrup	780	9000	2021-07-15	2022-08-14	Upcoming One Stock

05.Payment Information

SELECT * FROM USER1.PAYME... ×

Max. rows: 100 Fetched Rows: 5

#	PATIENTID	PATIENTNAME	ROOMCHARGE	SERVICECHARGE	TOTALCHARGE	DISCHARGEDATE	OTHERDETAILS
1	1	Saduni kaushalya	2000	3400	5400	2021-07-14	Payed
2	2	Y.N. Ranasinha	4500	7800	12300	2021-07-01	Payed
3	3	D.S.Gunathilaka	8500	10800	19300	2021-07-10	Payed
4	4	U.W. Hansa	2500	5600	8100	2021-07-22	Payed
5	5	I.N. kavinda	5000	5700	10700	2021-07-14	Payed

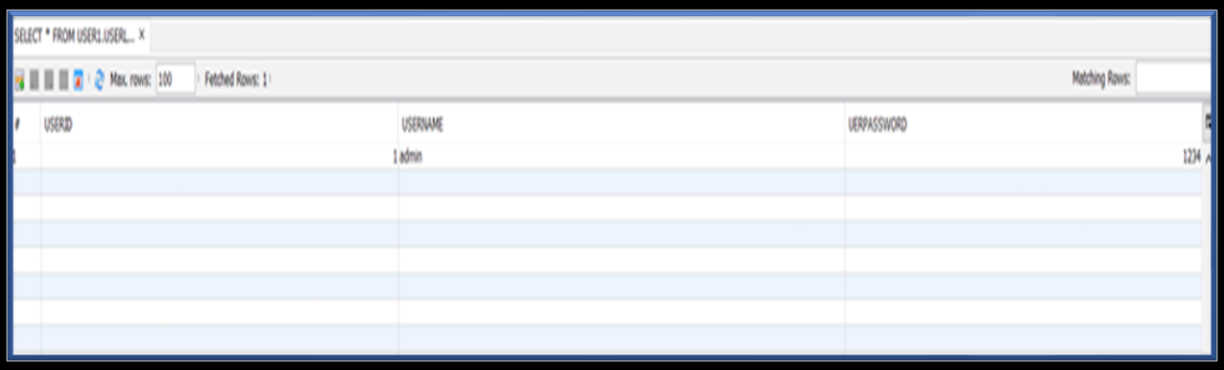
06.Manage Channels

SELECT * FROM USER1.MANAG... ×

Max. rows: 100 Fetched Rows: 5

#	PATIENTID	PATIENTNAME	CHANNELNUMBER	DOCTORID	DOCTORNAME	ROOMNUMBER	CHANNELDATE
1	1	Y.S. Disanayaka	1	12	Dr.Yasas Siriwardhana	10	2021-07-31
2	2	Y.N.Gamage	2	15	Dr.Gayani Gunathilaka	10	2021-08-04
3	3	C.N.Gunawardhana	3	15	Dr.Gayani Gunathilaka	10	2021-08-04
4	4	S.G. Thakshila	4	12	Dr.Yasas Siriwardhana	10	2021-08-19
5	5	S.J. Prathiba	5	12	Dr.Yasas Siriwardhana	10	2021-07-22

07.Login


SELECT * FROM USER1.USER1... ×
Max. rows: 100
Fetched Rows: 1
Matching Rows:
USERID USERNAME USERPASSWORD
1 1 admin 1234