

CS262

Database Management System

Final Report

Grp. No. – 43

E – Hospital Management System

Introduction

We have created an E-Hospital database management system app which will keep track of all the needs of a hospital catering to various employees, departments, patients and their medical needs and a lot more.

Team Members

Dhruv Singla

Ankur Tambe

Aashwin Raj

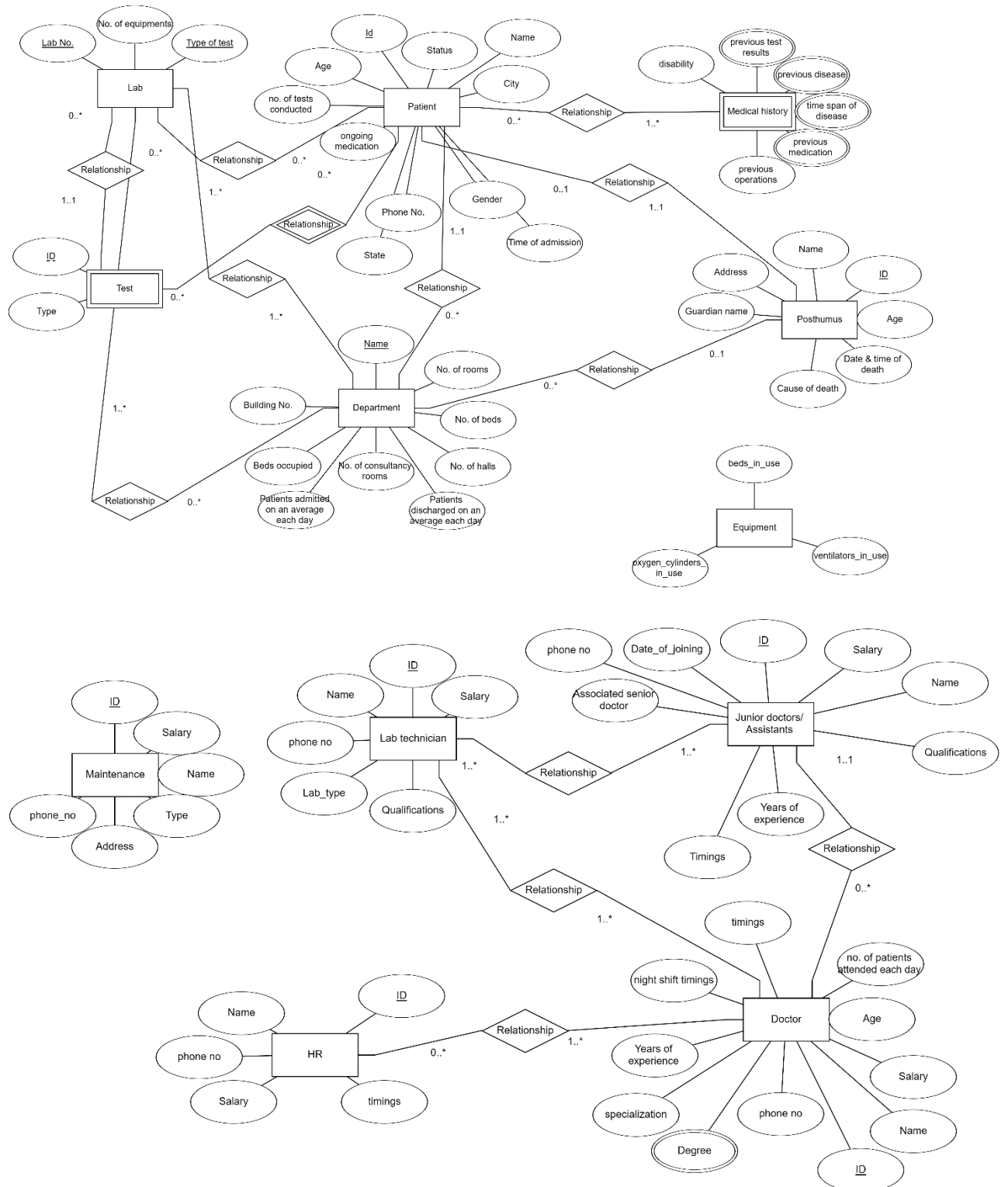
Rohtih Chittibommala

Joel John Kurien

Github - <https://github.com/d-s-dc/Hospital-Database-Management-System.git>

Database

Our ER diagram is made of two parts one of patients & department and other of employees.



Code for database - <https://github.com/d-s-dc/Hospital-Database-Management-System/blob/4f8dabe514c292ca353466bbce962ae886d697e9/project.sql>

Tables

We have a total of 17 tables. Some of them are shown here.

Admin

	a_id	a_name	phone_no	pass	city
▶	a1	Dhruv Singla	9465818638	dhruv	Bathinda
	a2	Ankur Tambe	9998252337	ankur	Surat
	a3	Joel John Kurien	9497895742	joel	Kochi
	a4	Chittibommala Rohith	8374201931	rohith	Warangal
	a5	Aashwin Raj	7424961792	aashwin	Jamshedpur
✱	NULL	NULL	NULL	NULL	NULL

Doctor

Doc_ID	Doc_Name	salary	age	degree_level	years_exp	specialization	night_shift_start	night_shift_end	patients_attended	d_id	phone_no	pass
D1001	Aditi Musunur	2000000.00	45	MBBS	7	General Physician	03:00:00	06:00:00	15	d1	9785161894	aditi
D1002	Barsati Sandipa	3500000.00	23	MD	9	Orthopaedician	19:30:00	02:00:00	6	d2	8671618954	barsati
D1003	Dhritiman Salim	2500000.00	50	B.Med	12	Ophthalmologist	20:30:00	00:00:00	10	d3	8745321698	dhritiman
D1004	Hardeep Suksma	2300000.00	37	MBChB	9	Cadiologist	18:45:00	20:30:00	7	d4	8745126956	hardeep
D1005	Gopa Trilochana	5600000.00	39	MBBS	6	Psychiatrist	20:00:00	01:00:00	18	d5	6565451225	gopa
D1006	Alexander Thomas	4500000.00	39	B.Med	8	Neurologist	21:30:00	02:00:00	20	d6	7856458596	alexander
D1007	Mohammad Hussain	5600000.00	45	MD	9	Dermatologist	22:30:00	04:00:00	17	d7	8855461299	mohammad
D1008	Alladin Gini	8900000.00	29	MBChB	6	Orthopaedician	23:30:00	05:15:00	24	d2	7744989863	alladin
D1009	Vijai Sriharan	2300000.00	35	MBBS	7	Psychiatrist	00:00:00	07:45:00	12	d5	9954785632	vijai
D1010	Avidosa Vaisaki	7500000.00	40	MD	9	Cardiologist	01:00:00	06:45:00	30	d4	7746893210	avidosa

HR

HR_ID	HR_Name	Salary	timing	phone_no	pass
H2001	Shila Ali	10000.0	05:30:00	8894562165	shila
H2002	Ali Trivedi	12000.0	12:30:00	8874596123	ali
H2003	Trivedi Kumar	11000.0	13:30:00	8798457965	trivedi
H2004	Kumar Prajapati	13000.0	14:30:00	7748596120	kumar
H2005	Prajapati Sahil	14000.0	09:00:00	1245653278	prajapati
H2006	Sahil Verma	12000.0	10:00:00	9874586325	sahil
H2007	Verma Shah	10000.0	07:00:00	8954567821	verma
H2008	Shah Rukh Khan	12000.0	01:00:00	9987895645	shah

Department

p_id	d_name	no_of_rooms	no_of_halls	no_of_consultancy_rooms	no_of_beds	beds_occupied	patient_discharge_average	patient_admissionrate_average
d1	OPD	1	1	1	10	NULL	NULL	NULL
d2	Orthopaedics Department	7	3	2	35	20	7	6
d3	Ophthalmology Department	2	2	0	10	3	5	4
d4	Cardiology Department	7	3	2	20	9	8	7
d5	Psychiatry Department	5	5	1	25	15	13	7
d6	Neurology Department	7	3	2	20	15	12	10
d7	Dermatology Department	16	1	3	30	22	50	40
d8	Radiology Department	2	0	0	5	5	20	20

Patient

p_id	admission_status	city	state	p_name	age	no_of_tests_conducted	ongoing_medication	phone_no	gender	d_id	time_of_admission
P1	admitted	Bathinda	Punjab	Tipun	34	1	Surgery required	9465814789	male	d1	2020-11-25 18:24:50
P10	admitted	Ambala	Punjab	Lala	40	5	Treatment required	9812965124	male	d3	2020-12-18 13:04:50
P11	not admitted	Barnala	Punjab	Lakki	40	5	Patient no more	9812547124	male	d4	2020-12-15 01:20:30
P12	not admitted	Kotakpura	Punjab	Lala	40	5	Patient no more	9812969924	male	d6	2020-12-31 20:44:50
P2	not admitted	Bathinda	Punjab	Sony	34	5	Nothing required	9588814789	male	d2	2020-10-08 17:24:50
P3	admitted	Ludhiana	Punjab	Kiran	28	4	Treatment required	9588518989	male	d3	2020-12-18 19:50:50
P4	admitted	Amritsar	Punjab	Kamaljeet	50	1	Treatment required	9584589789	female	d4	2020-11-26 10:24:50
P5	not admitted	Moga	Punjab	Sukhwinder	45	3	Nothing required	9584589000	male	d5	2020-12-16 17:24:10
P6	not admitted	Patiala	Punjab	Sarabjeet	20	2	Nothing required	9584587090	male	d6	2020-12-24 02:04:50
P7	admitted	Batala	Punjab	Jaswinder	48	6	Surgery required	9875478945	female	d7	2020-12-02 08:24:05
P8	admitted	Rampura	Punjab	Harnoor	54	1	Surgery required	9889745445	male	d6	2020-11-25 18:24:50
P9	admitted	Bhuchio	Punjab	Kimal	60	4	Treatment required	9812345445	female	d1	2020-12-10 05:04:10

Labs

lab_no	no_of equipments	type_of_test
l1	5	X-ray Test
l2	2	Eye Examination
l3	4	MRI and CT
l4	1	Psychometric test
l5	3	Blood Test
l6	4	Diascopy
l7	2	Medical Test

Tests

tr_id	test_type	lab_no	p_id
tr2	X-ray Test	l1	P2
tr8	X-Ray Test	l1	P8
tr10	Eye Examination	l2	P10
tr3	Eye Examination	l2	P3
tr4	MRI and CT	l3	P4
tr6	MRI and CT	l3	P6
tr5	Psychometric Test	l4	P5
tr7	Diascopy	l6	P7
tr1	Medical Test	l7	P1
tr9	Medical Test	l7	P9

APP

Link -

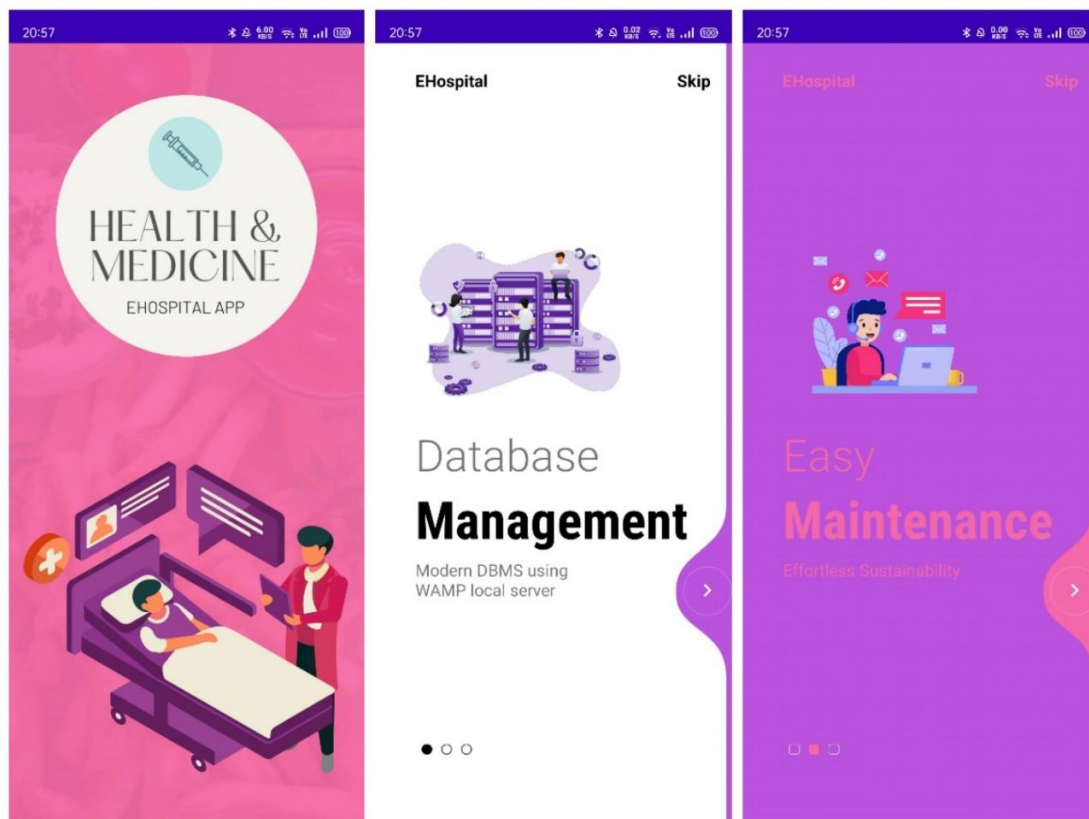
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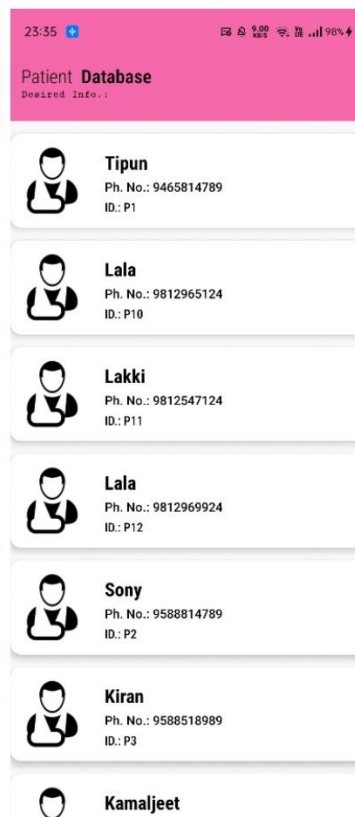
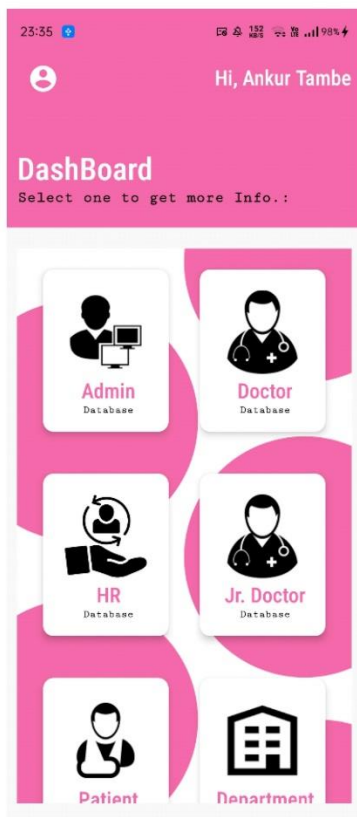
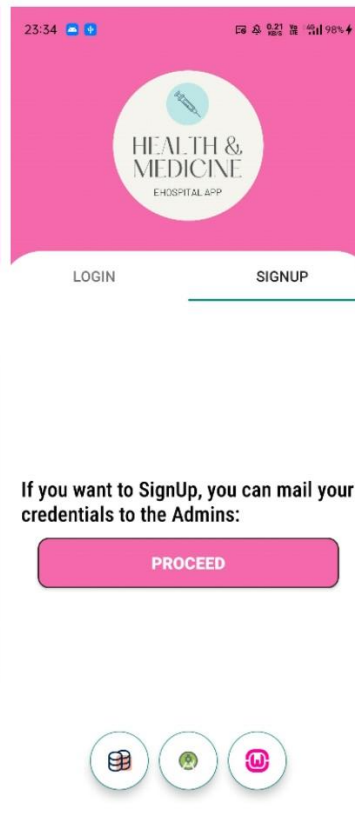
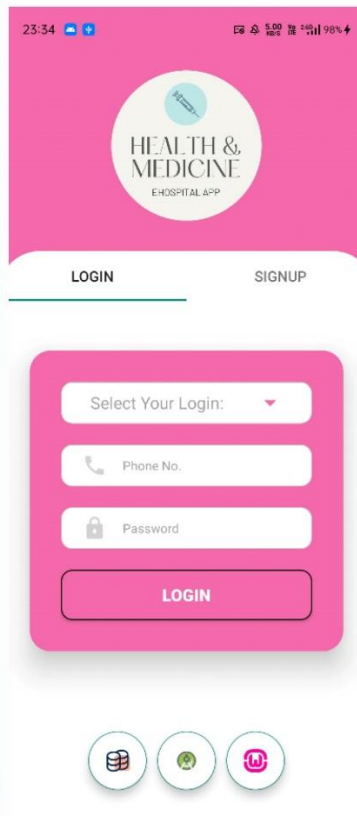
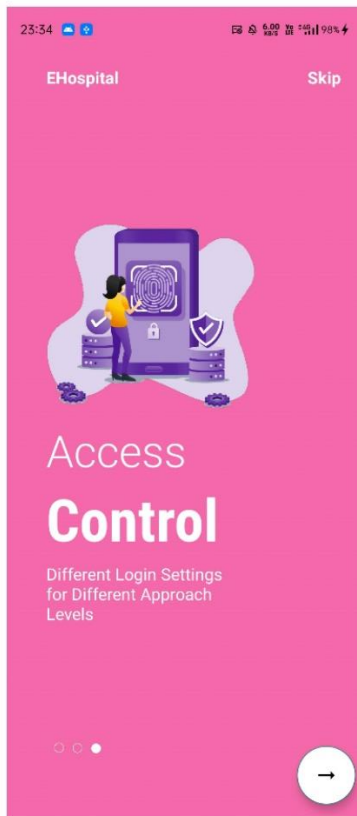
The app is based on a Local Server, so doesn't make sense to provide an APK, but still we shared everything. To get an idea about the app there is a video attached.

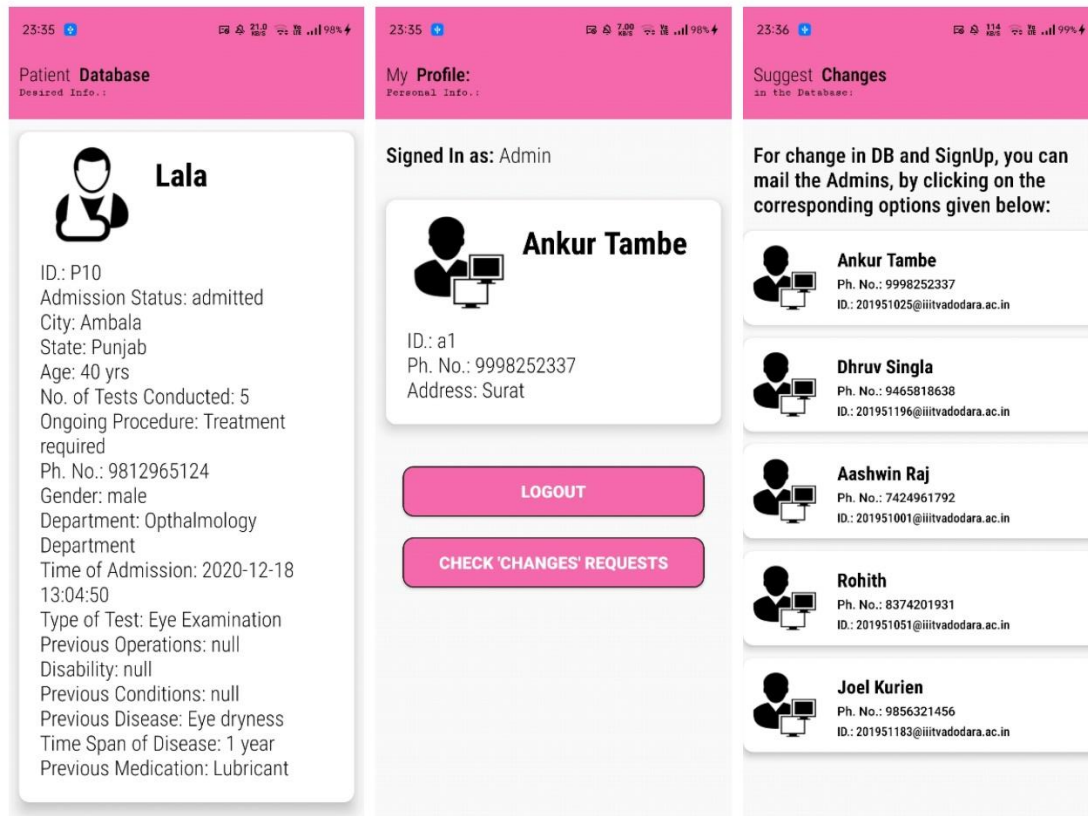
Video Link:

https://drive.google.com/drive/folders/1o9vr4wuSBt-Avj5HQTU_iDF5ZHVELTJw?usp=sharing

FrontEnd







Link for frontend files:

https://drive.google.com/drive/folders/1buATQaIOIDLHQ_PfKfg_xs0huhNHe6yA?usp=sharing

BackEnd

Link for APK:

<https://drive.google.com/drive/folders/1RdshPOmYi8C9rZpfPygXIS0Cdvxsddso?usp=sharing>

Link for backend files:

<https://drive.google.com/drive/folders/1fcxpJDDmE46EBE08VPS2zPJ9o58gvDov?usp=sharing>

APIs(PHP)-

We take the help of PHP to retrieve, send and modify the database present in WAMP through our App. It basically connects our App to the DB.

Link for the .php files:

https://drive.google.com/drive/folders/1O15hKFhKWRI7DhCX2ReGmpt_9so44zNN?usp=sharing

Website

The Single Screen Website shows the basic information about our App and will share important links of our project, after it is over.

Link for the website:

<https://e-hospital-iiitv.netlify.app/>

Link for the .css & .html files:

<https://github.com/RohithChittibommala/hospital-website>

Images:



We Take Care Of Your Health

This **E-Hospital** project is done as part of our course **CS262 DATA BASE MANAGEMENT SYSTEM** course , In this project we are developing an app , where we are trying to develop the following features like login , saparete views for doctor,patient,admin...

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Our Project

Entities in our project

- 1 Doctor
- 2 HR
- 3 Junior doctor
- 4 Lab Technician
- 5 Maintenance
- 6 Test Report
- 7 Patient
- 8 Department
- 9 Lab
- 10 ...some more

Features of our project

- 1 Authorizations
 - 1 Admin
 - 2 Doctor
 - 3 HR
 - 4 Lab technician
- 2 Employee Categorization
- 3 Patient Details
- 4 Department Specification

Project Timeline

Mar 28

1st Progress Report

By first progress report we completed design of database and made initial er diagrams created our employee database and also designed and build our initial static website

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Apr 18

2nd Progress Report

By second progress report we Made necessary changes in database design and came up with final er diagrams and created complete database also build login interface of app

Apr 18

2nd Progress Report

By second progress report we Made necessary changes in database design and came up with final er diagrams and created complete database also build login interface of app

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Apr 24

3rd Progress Report

By final progress report we Connected the app to database, made the interface for different login types and also build role based login

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