

**VELAGAPUDI RAMAKRISHNA
SIDDARTHA ENGINEERING COLLEGE**

(Autonomous)
KANURU
VIJAYAWADA

**20AI&DS3303: Database Management Systems
Laboratory**



LAB PROJECT REPORT

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BRANCH	AI&DS

LAB PROJECT : Database management project using front end and back end technologies.

TITLE OF THE PROJECT : Hospital Management system

PROBLEM STATEMENT : The Prescriptions-R-X chain of pharmacies has offered to give you a free lifetime supply of medicines if you design its database. Given the rising cost of health care, you agree. Here's the information that you gather:

- Patients are identified by an SSN, and their names, addresses, and ages must be recorded.
- Doctors are identified by an SSN. For each doctor, the name, specialty, and years of experience must be recorded.
- Each pharmaceutical company is identified by name and has a phone number.
- For each drug, the trade name and formula must be recorded. Each drug is sold by a given pharmaceutical company, and the trade name identifies a drug uniquely from among the products of that company. If a pharmaceutical company is deleted, you need not keep track of its products any longer.
- Each pharmacy has a name, address, and phone number.
- Every patient has a primary physician. Every doctor has at least one patient.
- Each pharmacy sells several drugs and has a price for each. A drug could be sold at several pharmacies, and the price could vary from one pharmacy to another.
- Doctors prescribe drugs for patients. A doctor could prescribe one or more drugs for several patients, and a patient could obtain prescriptions from several doctors. Each prescription has a date and a quantity associated with it. You can assume that if a doctor prescribes the same drug for the same patient more than once, only the last such prescription needs to be stored.
- Pharmaceutical companies have long-term contracts with pharmacies. A pharmaceutical company can contract with several pharmacies, and a pharmacy can contract with several pharmaceutical companies. For each contract, you have to store a start date, an end date, and the text of the contract.

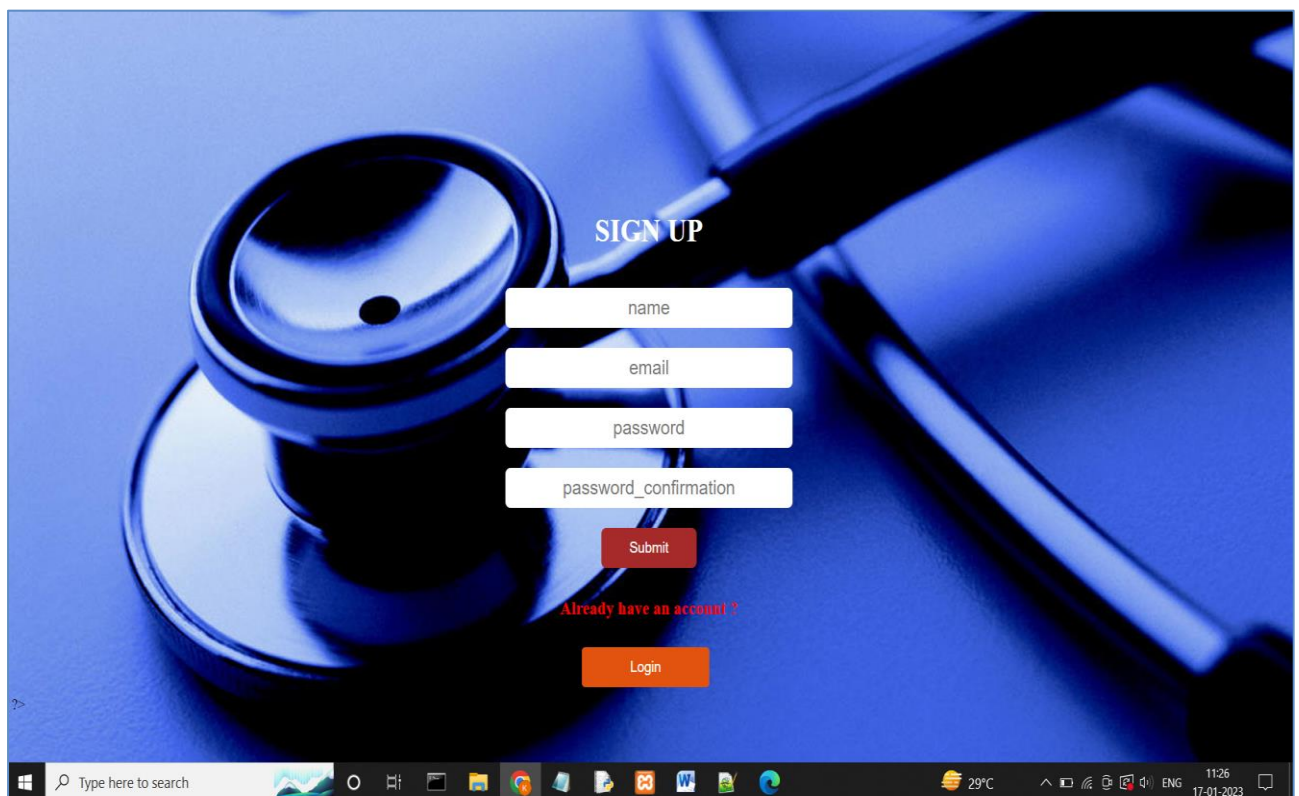
- Pharmacies appoint a supervisor for each contract. There must always be a supervisor for each contract, but the contract supervisor can change over the lifetime of the contract.

PROCEDURE:

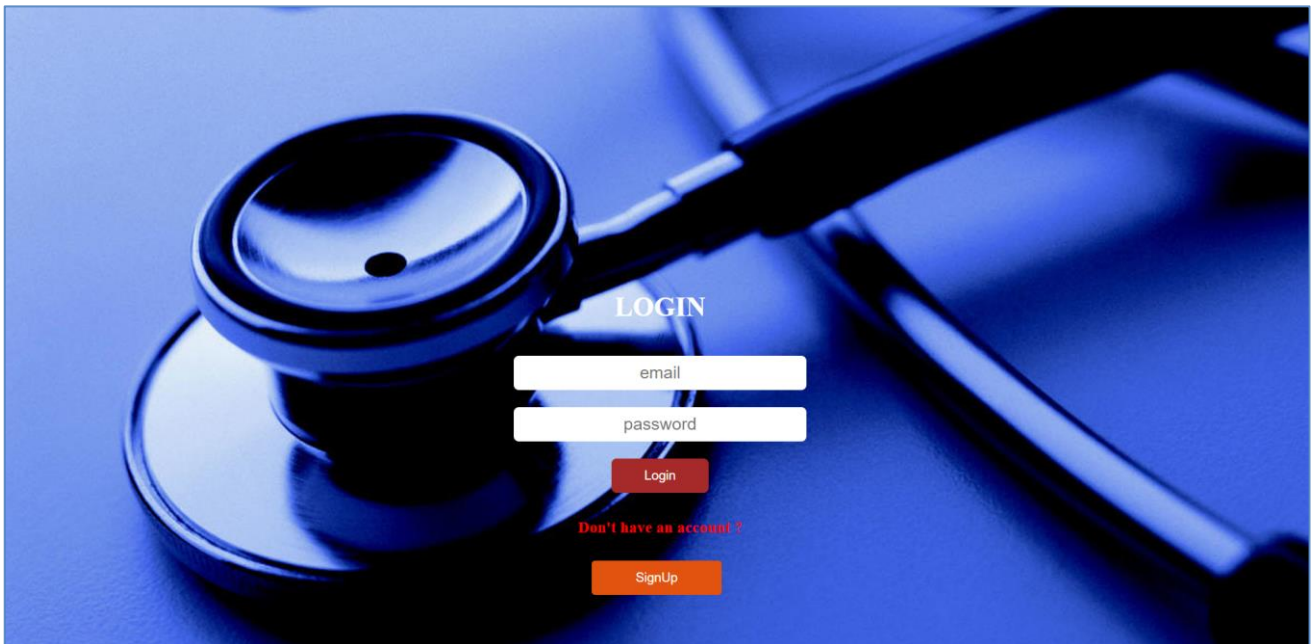
- According to the problem statement several tables are taken.
- Database contains tables as follows:
 - Patient
 - Doctor
 - Pharmacy
 - Pharmaceutical company
 - Drugs
- Relationship tables are as follows:
 - Sells
 - contracts
- Patient table contains attributes as
 - Name
 - LastName
 - DOB
 - Age
 - Symptoms
 - Address
- Doctor table contains attributes as
 - Name
 - Specialist
 - Years of experince
- Drugs table contains attributes as
 - Drugname
 - Chemical Formulae
- Pharmacy table contains attributes as
 - Name
 - Area
 - Mobile No
- Pharmaceutical company contains attributes as
 - Name
 - Phone no
- contracts contains attributes as
 - Startdate
 - End date
 - Contracts

- Sells contains attributes as
 - Price
- According to the data given I created tables in php myAdmin which is available in xampp so we used the application named xampp for back end creation
- Now for creating webpages i.e front end I used **HTML** and **CSS**
- After creating both front end and backend the only left is to establish connection between them. So that the data can be retrieved from back end and displayed in front end and the new data that is given in front end can be stored in the particular back end database table
- That connection is established using **PHP**.
- The final results of the work as follows:

First page which had the login credentials that a person can sign in to his new account if already he had an account he can login to the **homepage**



- **The** person will enter his name and email and a new password so that he can create an account of his own now let's see the login page
- The next page is Login page if he already has an account he can directly login to access.



- And now user will be entered to the webpage in which every option is displayed as Appointment , Doctor , Admin , Medicines , pharmacies.



- When the user selects appointment then he is directed to the followig page which contains all the columns to enter details of Patient

MAKE AN APPOINTMENT

Submit

Do you want to go to homepage [Click Here](#)

- And using clickhere he can again come back to main page.
- And now he selected Doctors so that he is able to see the list of doctors and their specializations

DOCTOR DETAILS

DOCTOR ID	DOCTOR NAME	SPECIALITY	YEAR_OF_EXP
1203	Aparna	Cardiologist	12
1204	Sridhar	Pediatricist	10
1205	Somanadh	ENT	15
1206	Harshitha	Neurologist	9
1207	Hima	Dentist	10

do you want to go to homepage [Click Here](#)

- Similarly one can go through all the next options in Medicines admin can enter new Medicine details that has bought.

NEW DRUG DETAILS

Submit

do you want Doctor details [clickhere](#)

[Do you want to go to homepage Click Here](#)

- And here it displays the Drugs that are used by the Hospital.

Drug details	
DRUGNAME	CHEMICAL FORMULAE
Dolo	Acetaminophen
Dolo	Acetaminophen
Paracetmol	Ch3Ch2
Paracetmol	Ch3Ch2
Paracetmol	Ch3Ch2

Do you want to go to homepage [Click Here](#)

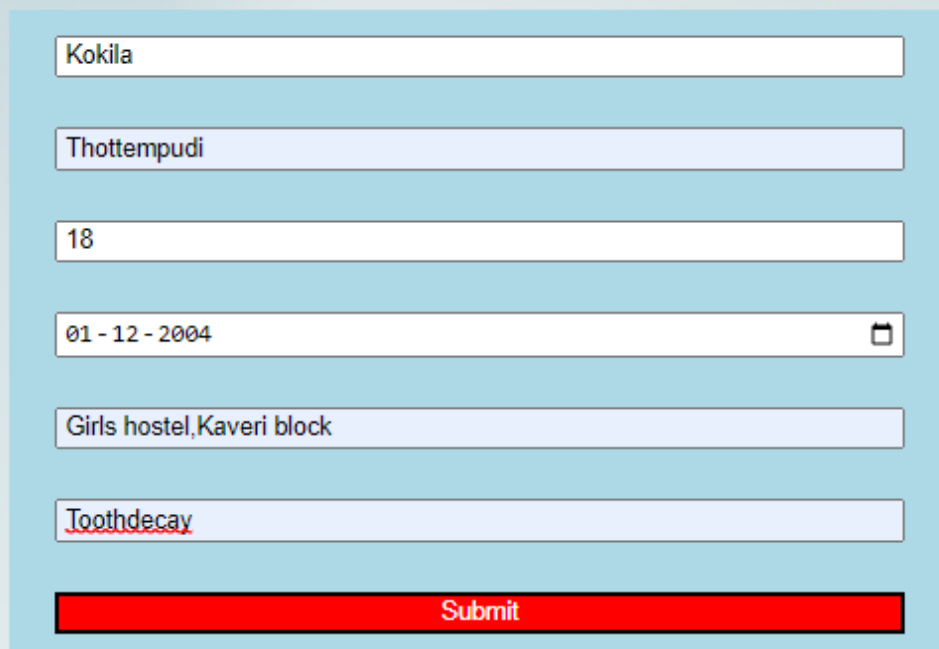
- Here Pharmacy details are show when user chooses pharmacy.

Pharmacy details		
PHARMACY NAME	PHARMACY AREA	PHARMACY NO
Apolo	Vijayawada	9856786523
Rite Aid	Hyderabad	9823123245
CVS pharmacy	Bangalore	7656453213
Abor Drugs	Hyderabad	7868564534
Big B drugs	Chennai	9823145245

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- Details can be entered as follows:

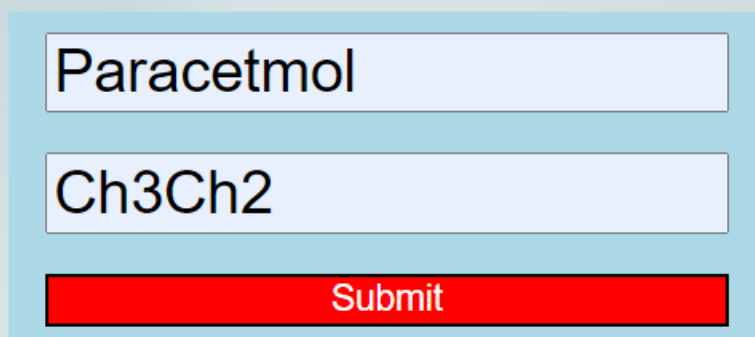
MAKE AN APPOINTMENT



A screenshot of a web form titled "MAKE AN APPOINTMENT". The form is set against a light blue background. It contains six input fields stacked vertically, each with a light blue border. The first field contains "Kokila", the second "Thottempudi", the third "18", the fourth "01 - 12 - 2004" with a calendar icon on the right, the fifth "Girls hostel,Kaveri block", and the sixth "Toothdecay". Below these fields is a red rectangular button with the word "Submit" in white text.

Kokila
Thottempudi
18
01 - 12 - 2004
Girls hostel,Kaveri block
Toothdecay
Submit

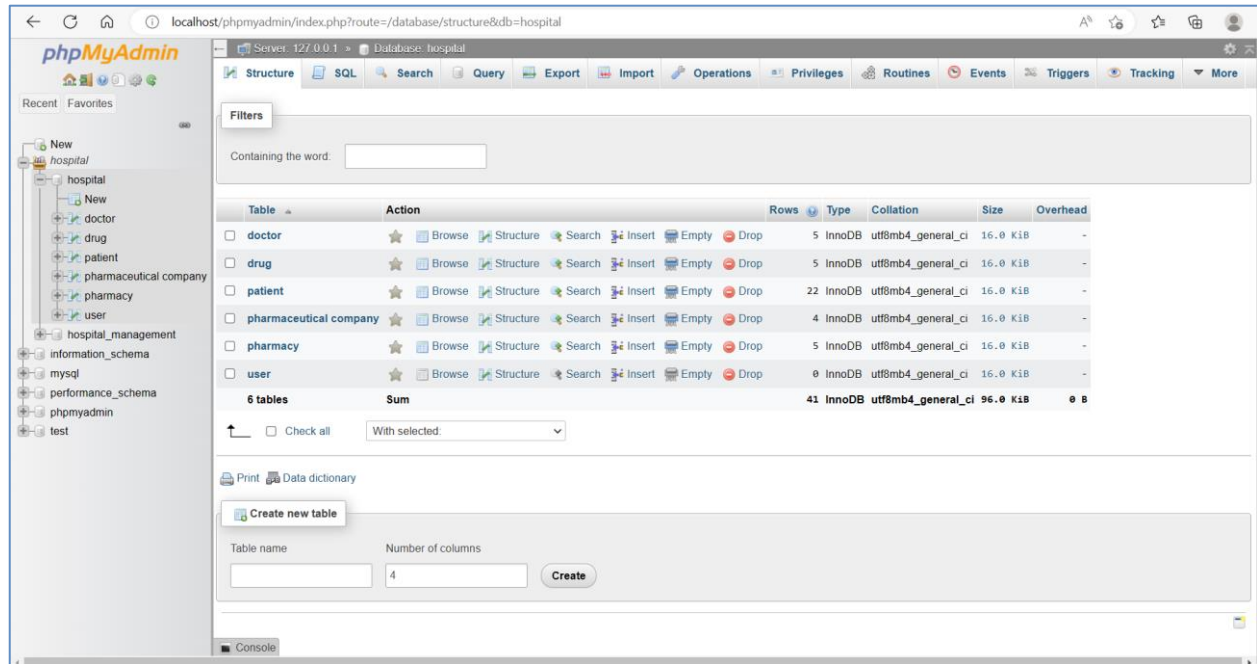
NEW DRUG DETAILS



A screenshot of a web form titled "NEW DRUG DETAILS". The form is set against a light blue background. It contains two input fields stacked vertically, each with a light blue border. The first field contains "Paracetmol" and the second "Ch3Ch2". Below these fields is a red rectangular button with the word "Submit" in white text.

Paracetmol
Ch3Ch2
Submit

DATABASE TABLES IN PHPMYADMIN



➤ DOCTOR TABLE

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	DOCTOR_ID	int(100)			No	None			Change
<input type="checkbox"/>	2	DOCTOR_NAME	varchar(100)	utf8mb4_general_ci		No	None			Change
<input type="checkbox"/>	3	SPECIALITY	varchar(100)	utf8mb4_general_ci		No	None			Change
<input type="checkbox"/>	4	YEAR_OF_EXP	int(100)			No	None			Change

➤ PATIENT TABLE

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	NAME	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2	LASTNAME	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	AGE	int(10)			No	None			Change Drop More
<input type="checkbox"/>	4	APPOINTMENTDATE	date			No	None			Change Drop More
<input type="checkbox"/>	5	ADDRESS	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	6	SYMPTOMS	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

➤ DRUG TABLE

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 DRUGNAME	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 CHEMICALFORMULAE	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

➤ PHARMACUTICAL COMPANY TABLE

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 PH_NAME	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 PH_NO	bigint(100)			No	None			Change Drop More

➤ PHARMACY TABLE

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 PHARMACY_NAME	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 PHARMACY_AREA	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 PHARMACY_NO	bigint(100)			No	None			Change Drop More

DATA ENTERED BY USER

Hima	Varshini	20	2030-12-22	Hyderabad	Toothdecay
Kokila Thottempudi	lkjhgf	12	2012-09-22	Vijayawada	cdlmxc
		0	0000-00-00		
		0	0000-00-00		
Kokila Thottempudi	Varshini	12	2012-09-22	Girls hostel,Kaveri block	cdlmxc
Kokila Thottempudi	Varshini	12	2012-09-22	Girls hostel,Kaveri block	cdlmxc
Kokila Thottempudi	Varshini	18	2023-01-06	Girls hostel,Kaveri block	cdlmxc
Kokila Thottempudi	Varshini	18	2023-01-06	Girls hostel,Kaveri block	cdlmxc
Kokila Thottempudi	Varshini	18	2023-01-06	Girls hostel,Kaveri block	cdlmxc

DRUGNAME	CHEMICALFORMULAE
Dolo	Acetaminophen
Dolo	Acetaminophen
Paracetmol	Ch3Ch2
Paracetmol	Ch3Ch2
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