WEB PROGRAMMING LANGUAGES FINAL PROJECT
CS6314.002
ONLINE DOCTOR APPOINTMENT

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PROJECT DESCRIPTION

Website Name: Good Health

Online doctor appointment is a website that enables a user or any individual of a particular area to book an appointment with a doctor in that area. A user here is patient and booking can be done in the timespan of next 7 days. The major actors in this project are Patient, Doctor, Admin and Manager. Patients can search the doctor based on the location of clinic in a particular region. Also by entering the name of a Doctor, patient is able to retrieve the details of that particular doctor.

Doctors

- Doctors are added by the admin.
- Each doctor has a specific timeslot throughout the week.
- All the appointments made for a particular doctor can be monitored by the admin.

Patient

- Patients can sign up on the website.
- Patients must log in to book appointments.
- Patients can search for doctors based on doctor name, hospital name or specialty in a location of their preference.
- Patients can book appointments up to 7 days in advance.
- Patients are also able to cancel the appointments.

Admin

- Admin can View, Insert, Update, Delete data about Patients, Hospitals and Doctors.

Assumptions

- As of now, there are no constraints on the number of appointments that can be made for a particular doctor on a particular time.

Functionalities

- Soft Delete for any delete operation.
- Form validation.
- User login and signup.
- Hashing passwords.
- List of patient appointments.
- Admin can Insert, view, delete records.
- Admin can assign a doctor to a clinic.
- Admin can assign a manager to a clinic.
- Mapping of different database tables

Database Design

1. Doctor

DID	name	gender	dob	experience	specialization
contact	address	username	password	Region	-

- Primary Key   : DID
- Foreign Keys   : None

2. Manager

MID	name	gender	dob	contact	address	username	password	region

- Primary Key   : MID
- Foreign Keys   : None

3. Clinic

CID	name	address	town	city	contact	**MID**

- Primary Key   : CID, name
- Foreign Keys   : FOREIGN KEY (MID) REFERENCES Manager(MID)

4. Manager_Clinic

CID	**MID**

- Primary Key   : CID , MID
- Foreign Keys   : FOREIGN KEY (CID) REFERENCES Clinic(CID), FOREIGN KEY (MID) REFERENCES Manager (MID)

5. Patient

email	username	password	name	gender	dob	contact

- Primary Key   : email, username
- Foreign Keys   : None

6. Doctor_availability

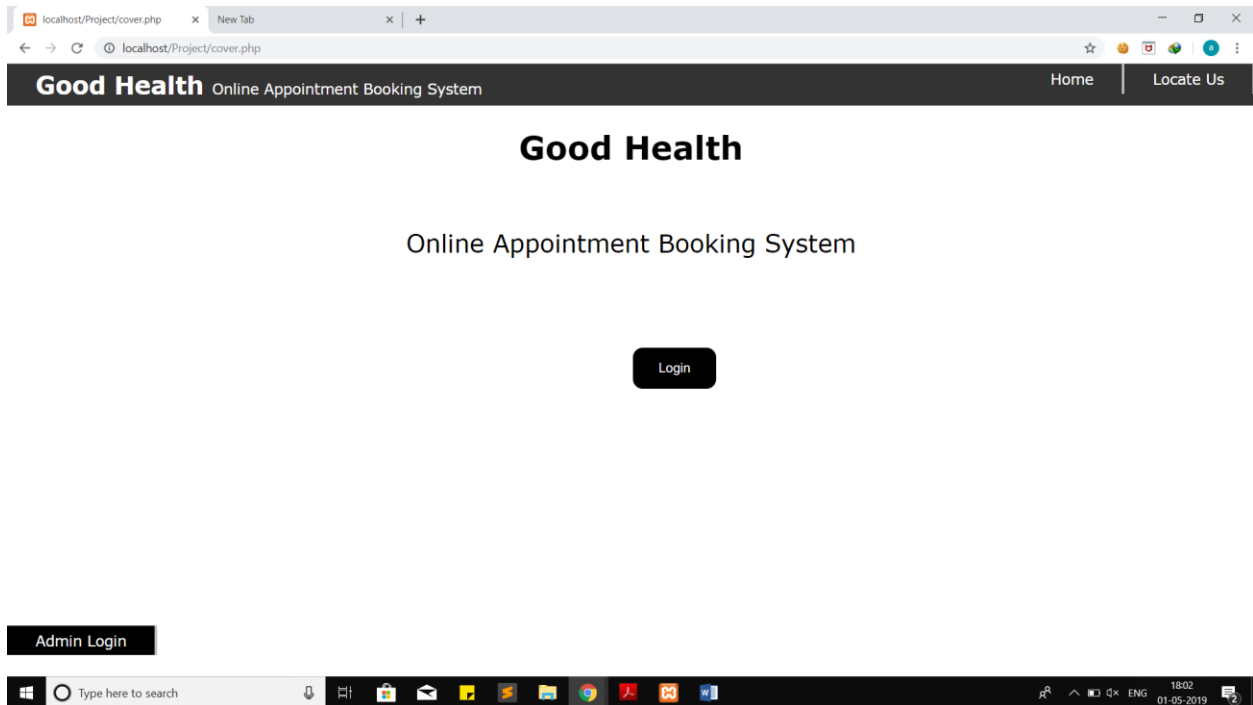| CID	DID	day	starttime	endtime

- Primary Key   : CID, MID, day, starttime, endtime
- Foreign Keys   : FOREIGN KEY (CID) REFERENCES Clinic(CID), FOREIGN KEY (DID) REFERENCES Doctor(DID)
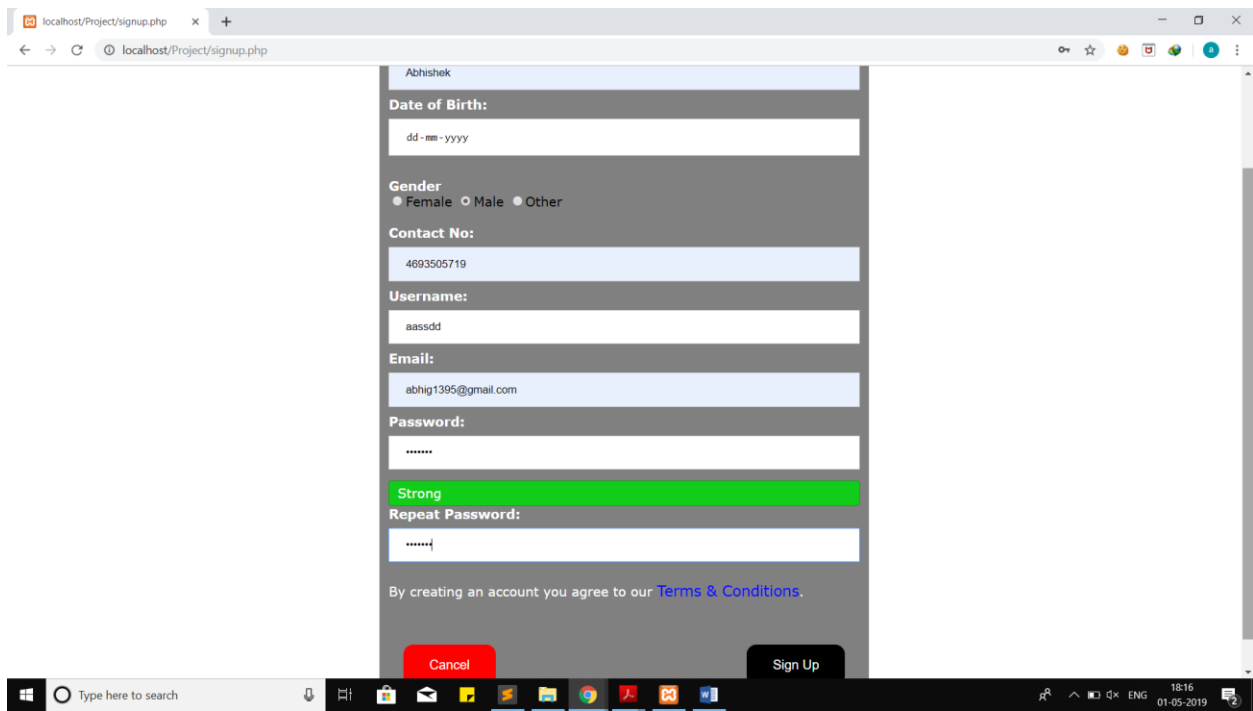
7. Book

username	Fname	gender	CID	DID	DOV	timestamp	status

- Primary Key   : username, Fname, DOV, timestamp
- Foreign Keys   : FOREIGN KEY (CID) REFERENCES Clinic(CID), FOREIGN KEY (DID) REFERENCES Doctor(DID)

Language/ Frameworks Used:

- HTML
- CSS
- Bootstrap
- JavaScript
- Ajax
- PHP

SCREENSHOTS

HomePage:

Sign Up:

User Login:

Search Doctor by Name:

Search Doctor by Location:

Book appointments.

View patient appointment

Appointment-Date	Name	Clinic	Doctor	Status	Booked-On
2019-04-30	john	Clinic-CST	doctor	Booking Registered.	2019-04-28 21:27:12
2019-04-30	peter	Clinic-CST	doctor	Cancelled by Patient	2019-04-28 21:28:01
2019-04-26	pranav	Joy-Collin	Kedar	Booking Registered.	2019-04-24 08:23:43
2019-04-25	xyz	Clinic-CST	Cris	Cancelled by Patient	2019-04-24 18:00:23

Appointment Cancellations (Soft Delete)

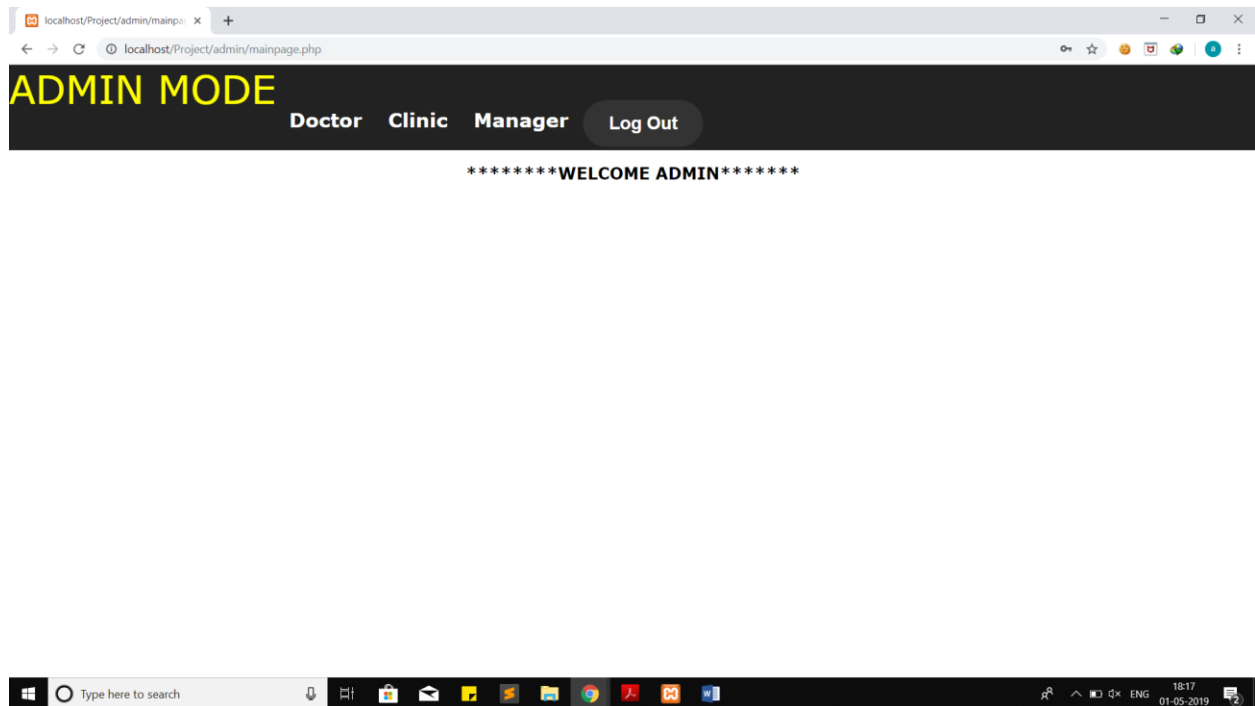Good Health Appointment Booking System   Home

Select Appointment to Cancel:

Select Appointment

Submit

Admin Mode:

Functionalities of Doctor
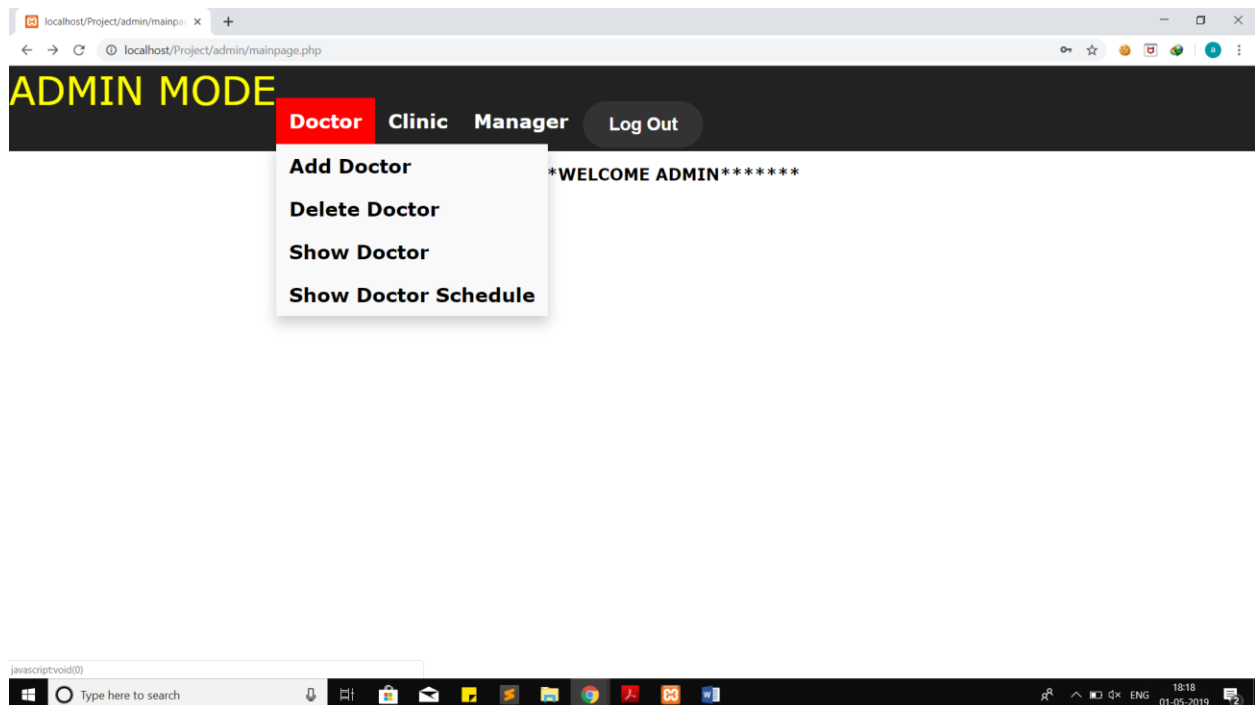
Availability of Doctor in Admin mode:

ADMIN MODE   Doctor   Clinic   Manager   Log Out

SHOW DOCTOR SCHEDULE

TOTAL CLINICS IN DATABASE=10

CID	Clinic Name	DID	Doctor Name	Day	Time
1	Clinic-CST	1	doctor	Wednesday	14:00:00-18:00:00
1	Clinic-CST	1	doctor	Tuesday	14:00:00-18:00:00
1	Clinic-CST	1	doctor	Thursday	14:00:00-18:00:00
2	Joy-Collin	3	Kedar	Friday	06:00:00-09:00:00
2	Joy-Collin	3	Kedar	Thursday	06:00:00-09:00:00
2	Joy-Collin	3	Kedar	Thursday	10:00:00-12:00:00
1	Clinic-CST	4	Cris	Tuesday	07:00:00-12:00:00
1	Clinic-CST	4	Cris	Thursday	07:00:00-12:00:00
5	Eiffel-Kenosha	5	Kavya	Thursday	17:00:00-19:00:00
5	Eiffel-Kenosha	5	Kavya	Tuesday	17:00:00-19:00:00

Functionalities of Clinic

ADMIN MODE   Doctor   Clinic   Manager   Log Out
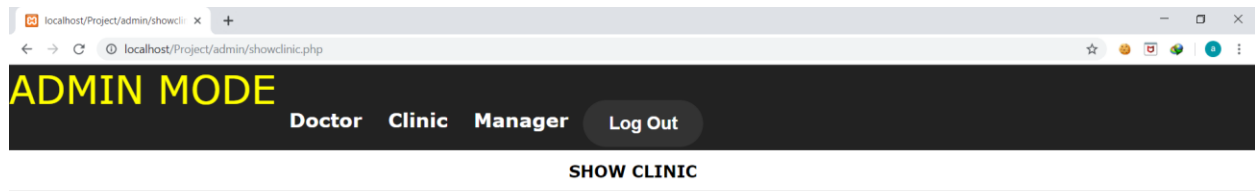
Add Clinic

Delete Clinic   )MIN*******

Assign Doctor to Clinic

Assign Manager to Clinic

Delete Doctor from Clinic

Show Clinic

List of different clinics in database

ADMIN MODE

Doctor   Clinic   Manager   Log Out
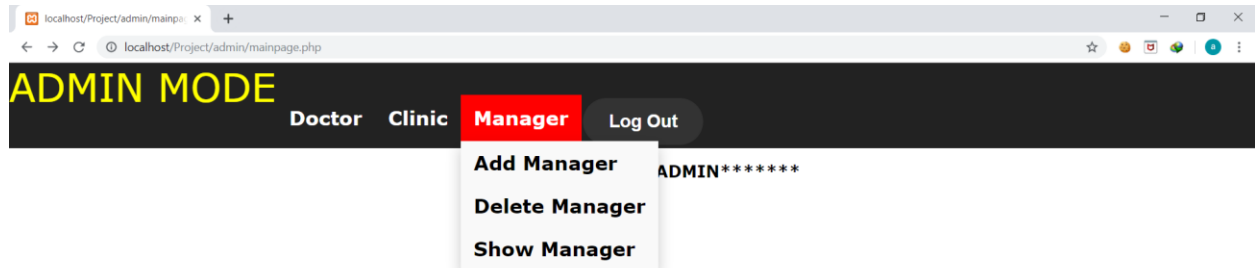
SHOW CLINIC

TOTAL CLINICS IN DATABASE=5

CID	Name	Address	Town	City	Contact	MID
2	Joy	ABC apartment, Dallas	Collin	Dallas	1234567890	2
4	Abhinav2	Chatham pearl	Marquis	Dallas	4567890543	0
3	iphone	Mccallum 7825 , apt 411	Richardson	Dallas	1234567899	0
1	Clinic	XYZ apartment, CST	CST	Mumbai	9999988888	1
5	Eiffel	Rue de madmoisselle	Kenosha	Paris	7896541235	4

Functionalities of Manager

ADMIN MODE

Doctor   Clinic   Manager   Log Out

Add Manager   ADMIN*******

Delete Manager

Show Manager

Contribution:

1. Abhishek Ghadigaonkar – Has worked on implementing soft delete along with assignment of doctor to the clinic and all the form validations present in the project.
2. Pawan Patil – Has contributed to the implementation of displaying list of patient appointment along with the implementation of admin side insertion, deletion and viewing of records from the database tables and also mapping of different database tables.
3. Poonam Gillurkar – Has worked on user login and signup page with password hashing and also contributed to performing assignment of manager to clinic.