

**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

<u>DID</u>	name	gender	dob	experience	specialization
contact	address	username	password	Region	-

- Primary Key : DID
- Foreign Keys : None

### 2. Manager

<u>MID</u>	name	gender	dob	contact	address	username	password	region
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- Primary Key : MID
- Foreign Keys : None

### 3. Clinic

<u>CID</u>	<u>name</u>	address	town	city	contact	<b>MID</b>
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- Primary Key : CID, name
- Foreign Keys : FOREIGN KEY (MID) REFERENCES Manager(MID)

### 4. Manager\_Clinic

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

### 5. Patient

<u>email</u>	<u>username</u>	password	name	gender	dob	contact
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- Primary Key : email, username
- Foreign Keys : None

#### 6. Doctor\_availability

<u>CID</u>	<u>DID</u>	<u>day</u>	<u>starttime</u>	<u>endtime</u>
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- Primary Key : CID, MID, day, starttime, endtime
- Foreign Keys : FOREIGN KEY (CID) REFERENCES Clinic(CID), FOREIGN KEY (DID) REFERENCES Doctor(DID)

#### 7. Book

<u>username</u>	<u>Fname</u>	gender	<b>CID</b>	<b>DID</b>	<u>DOV</u>	<u>timestamp</u>	status
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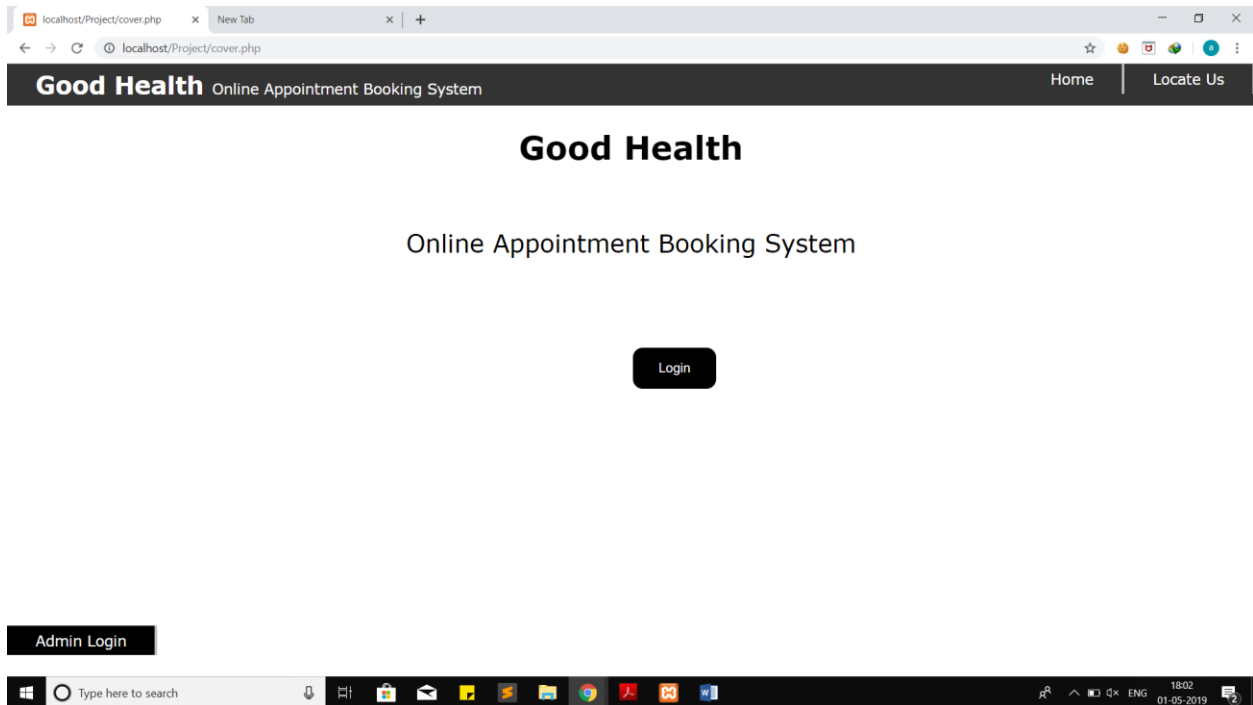
- Primary Key : username, Fname, DOV, timestamp
- Foreign Keys : FOREIGN KEY (CID) REFERENCES Clinic(CID), FOREIGN KEY (DID) REFERENCES Doctor(DID)

### Language/ Frameworks Used:

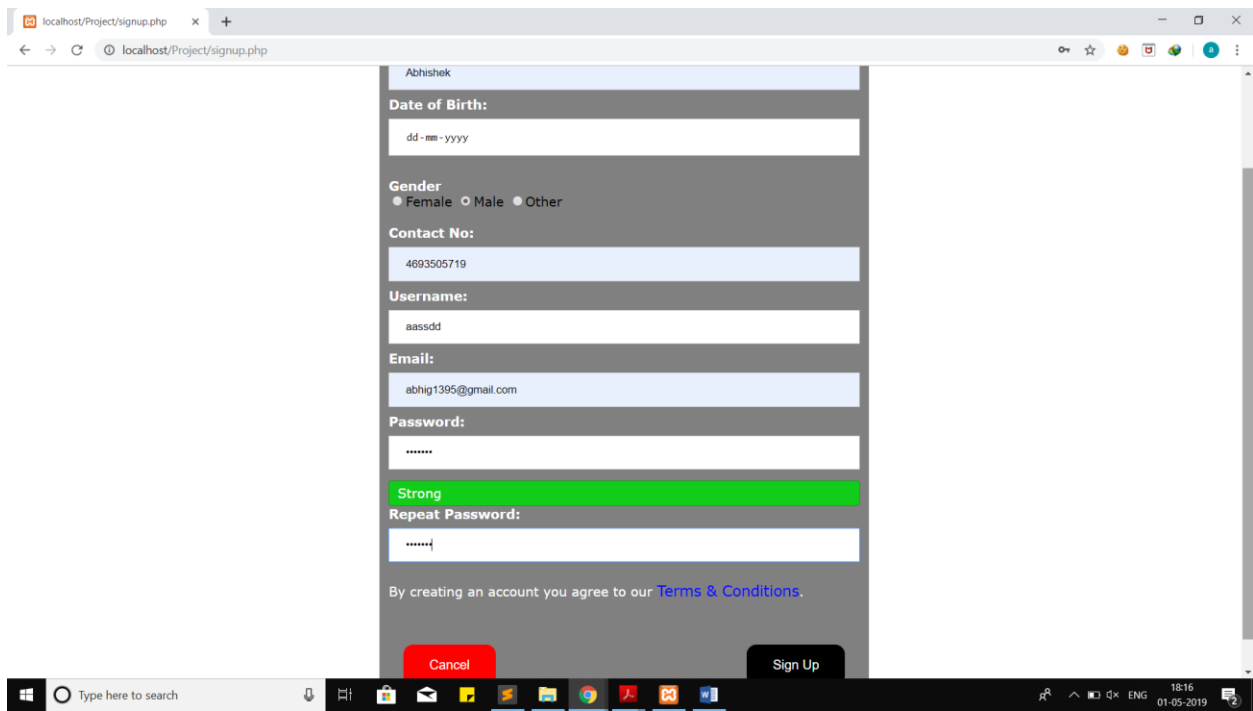
- HTML
- CSS
- Bootstrap
- JavaScript
- Ajax
- PHP

## SCREENSHOTS

### HomePage:



### Sign Up:



## User Login:

The screenshot shows a web browser window with the URL `localhost/Project/cover.php`. The page has a dark header with the text "Good Health Online Appointment Booking System" and navigation links "Home" and "Locate Us". The main content area is a light gray background with a large "Good Health" title. In the center, there is a white "Log In" modal box with a close button (X). The modal contains two input fields: "Enter Username" and "Enter Password". Below these fields are three buttons: a black "Login" button, a red "Cancel" button, and a black "Don't have one?" button. At the bottom left of the page, there is a dark button labeled "Admin Login". The Windows taskbar at the bottom shows the search bar and several application icons.

Good Health Online Appointment Booking System

Home | Locate Us

### Good Health

#### Log In

Enter Username

Enter Password

Login

Cancel

Don't have one?

Admin Login

## Search Doctor by Name:

The screenshot shows a web browser window with the URL `localhost/Project/locateus.php`. The page displays a "Search Doctor" form. The form has a text input field containing "kedar" and a black "Submit" button. Below the input field are three dropdown menus labeled "City:", "Town:", and "Clinic:", each with a "Select" option. Below these dropdowns is another black "Submit" button. The results section shows the following information:

**Kedar**  
Gender: male  
Specialization: Eye Specialist

**Day: Friday**  
Timings: 06:00:00 to 09:00:00  
Clinic Name: Joy Town: Collin City: Dallas

**Day: Thursday**  
Timings: 06:00:00 to 09:00:00  
Clinic Name: Joy Town: Collin City: Dallas

**Day: Thursday**  
Timings: 10:00:00 to 12:00:00  
Clinic Name: Joy Town: Collin City: Dallas

The Windows taskbar at the bottom shows the search bar and several application icons.

### Search Doctor

kedar

Submit

City:  
Select City

Town:  
Select Town

Clinic:  
Select Clinic

Submit

**Kedar**  
Gender: male  
Specialization: Eye Specialist

**Day: Friday**  
Timings: 06:00:00 to 09:00:00  
Clinic Name: Joy Town: Collin City: Dallas

**Day: Thursday**  
Timings: 06:00:00 to 09:00:00  
Clinic Name: Joy Town: Collin City: Dallas

**Day: Thursday**  
Timings: 10:00:00 to 12:00:00  
Clinic Name: Joy Town: Collin City: Dallas

## Search Doctor by Location:

The screenshot shows a web browser window with the address bar displaying 'localhost/Project/locatus.php'. The page header is 'Good Health Appointment Booking System' with a 'Home' link. The main content is a 'Search Doctor' form. The form has a title 'Search Doctor' and a text input field for 'Enter Doctor Name'. Below this is a 'Submit' button. Further down are three dropdown menus for 'City:' (selected 'Mumbai'), 'Town:' (selected 'CST'), and 'Clinic:' (selected 'Clinic-CST(CID-1)'). Below these is another 'Submit' button. At the bottom of the form, the following details are displayed: 'Clinic Name: Clinic', 'Address: XYZ apartment, CST', 'Contact: 9999988888', 'Doctor Name: Cris', 'Specialization: Anesthesiology', and 'Doctor Contact: 673483943300'. The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system clock indicates 18:10 on 01-05-2019.

Search Doctor

Enter Doctor Name

Submit

City:  
Mumbai

Town:  
CST

Clinic:  
Clinic-CST(CID-1)

Submit

Clinic Name: Clinic  
Address: XYZ apartment, CST  
Contact: 9999988888  
Doctor Name: Cris  
Specialization: Anesthesiology  
Doctor Contact: 673483943300

## Book appointments.

The screenshot shows a web browser window with the address bar displaying 'localhost/Project/book.php'. The page header is 'Good Health Appointment Booking System' with 'Home' and 'Book Now' links. The main content is a 'Book appointments' form. The form has a title 'Name:' and a text input field for 'Enter Full name of patient'. Below this are radio buttons for 'Gender' with options 'Female', 'Male', and 'Other'. Further down are five dropdown menus for 'City:' (selected 'Select City'), 'Town:' (selected 'Select Town'), 'Clinic:' (selected 'Select Clinic'), 'Doctor:' (selected 'Select Doctor'), and 'Date of Visit:' (selected 'dd - 05 - 2019'). Below these is a 'Submit' button. The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system clock indicates 18:11 on 01-05-2019.

Name:  
Enter Full name of patient

Gender  
☐ Female ☐ Male ☐ Other

City:  
Select City

Town:  
Select Town

Clinic:  
Select Clinic

Doctor:  
Select Doctor

Date of Visit:  
dd - 05 - 2019

Submit

## View patient appointment

localhost/Project/viewpatientap: x

localhost/Project/viewpatientappointments.php

abc Home

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 )

localhost/Project/cancelbooking: x

localhost/Project/cancelbookingpatient.php

Good HealthAppointment Booking System Home

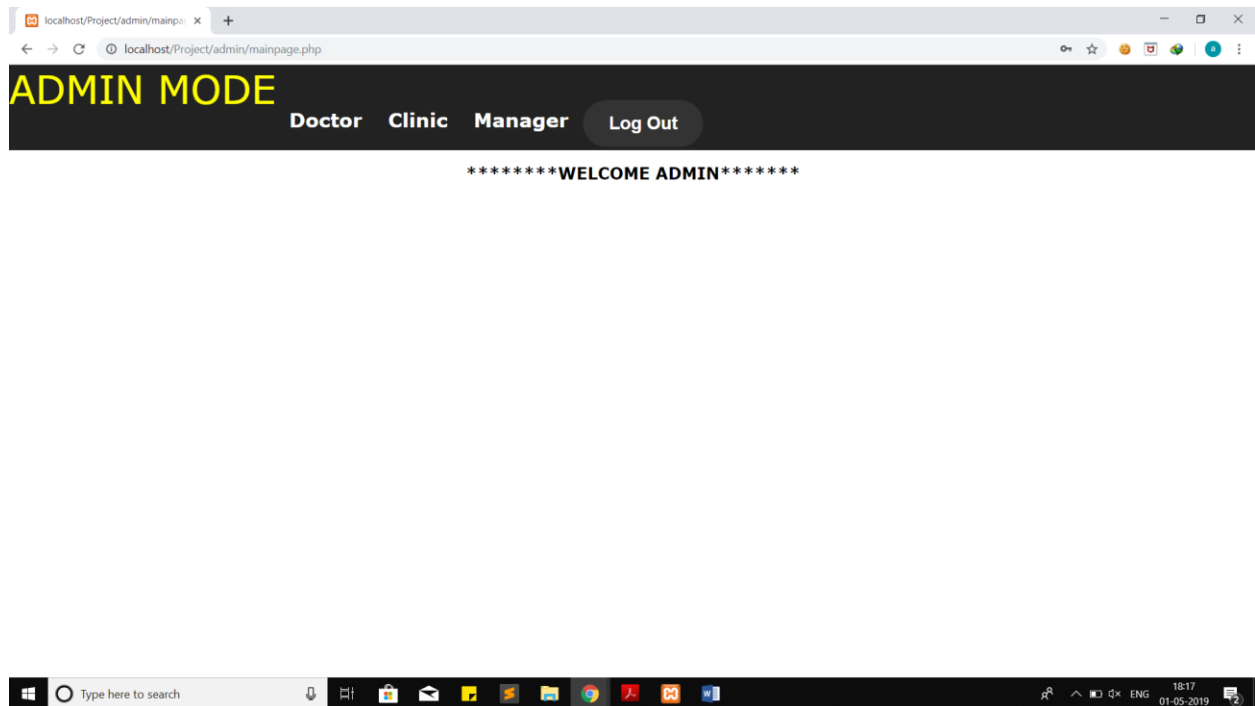
Select Appointment to Cancel:

Select Appointment

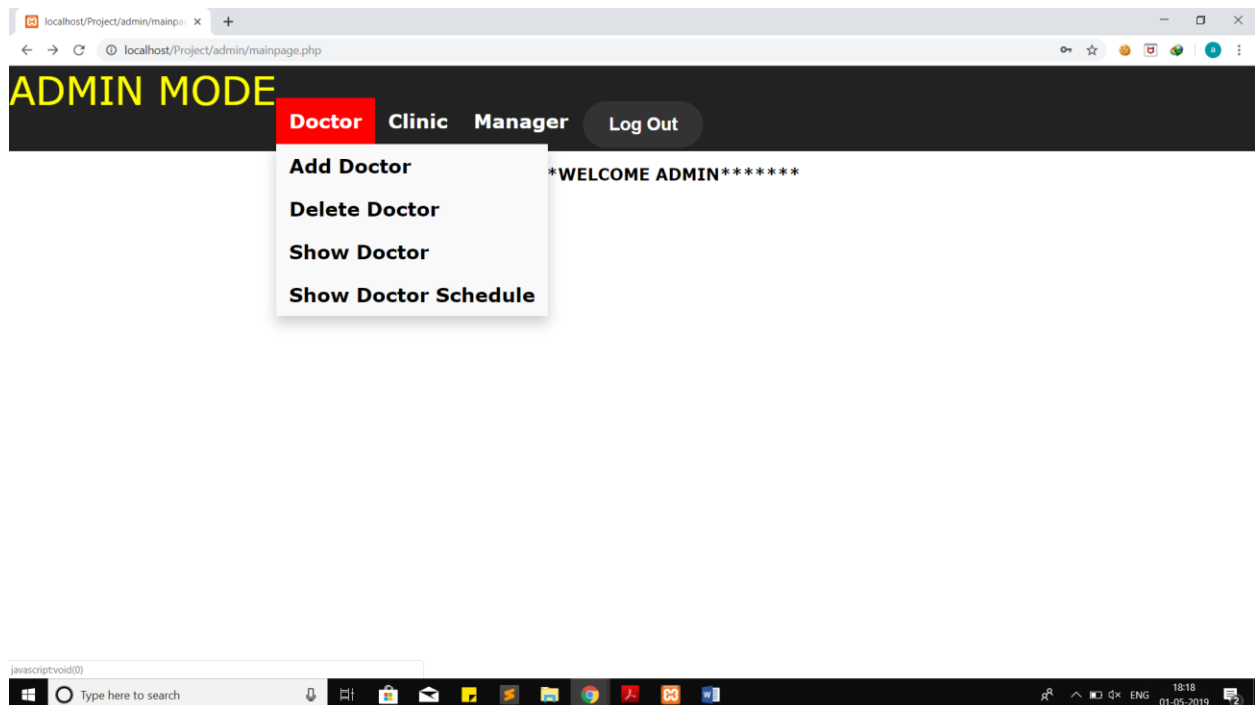
Submit



## Admin Mode:



## Functionalities of Doctor



## Availability of Doctor in Admin mode:

localhost/Project/admin/showdoctorschedule.php

# 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

Windows taskbar: Type here to search, 18:19, 01-05-2019

## Functionalities of Clinic

localhost/Project/admin/mainpage.php

# ADMIN MODE

Doctor Clinic Manager Log Out

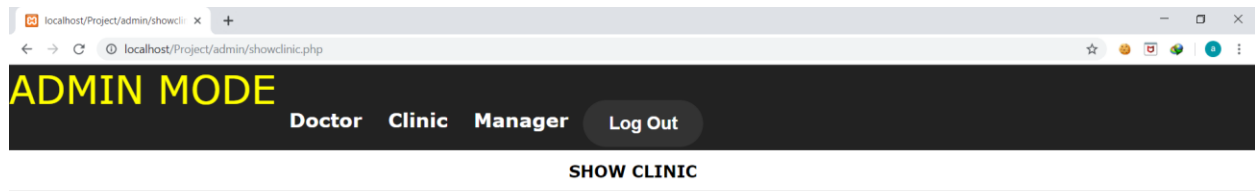
ADMIN\*\*\*\*\*

- Add Clinic
- Delete Clinic
- Assign Doctor to Clinic
- Assign Manager to Clinic
- Delete Doctor from Clinic
- Show Clinic

javascript:void(0)

Windows taskbar: Type here to search, 18:19, 01-05-2019

## List of different clinics in database



localhost/Project/admin/showclinic.php

**ADMIN MODE** Doctor Clinic Manager Log Out

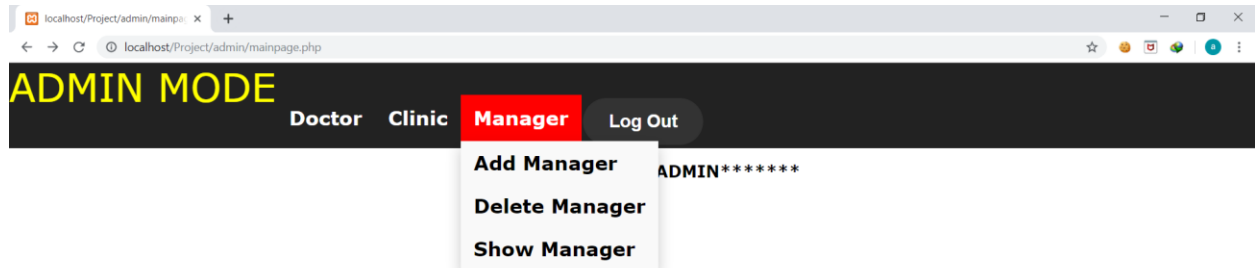
SHOW CLINIC

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



localhost/Project/admin/mainpage.php

**ADMIN MODE** Doctor Clinic Manager Log Out

Add Manager  
Delete Manager  
Show Manager

ADMIN\*\*\*\*\*



## 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.