

Project Name: MEET YOUR DOCTOR Branch PG-DAC Mar- 2022.

Documentation On

"MEET YOUR DOCTOR" PG-DAC Mar 2022

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### **ABSTRACT**

This project is a web-based Appointment Booking System for Patients.

The project objective is to Automate booking System into web platform.

This project is an attempt to provide the advantages of online Appointment Booking System to Patient to Book Appointment with Doctor. It helps to Book Appointment with Doctor through internet by using a website. Thus, there no need to stand in queues for appointment booking. This system is independent website where Patient and Doctor can register and patient can view doctors and book appointment.

Using our Website the patient can see doctor according to their area, specialty, services, and qualification and can pay doctor fees online by through portal and save there valuable time.

### **ACKNOWLEDGEMENT**

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, Mrs. Rupali Thorat for providing me with the right guidance and advice at the crucial juncture sand for showing me theright way. I extend my sincere thanks to our respected Centre Co-Ordinator Mr.Prashant Karhale, for allowing us to use the facilities available. I would like tothank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during our work

### 1. Introduction:

### 1.1 Document Purpose:

This document explains the system requirements and scope for developing Meet Your Doctor portal. Meet Your Doctor portal could divide the three main parts, Admin part, Patient part and Doctor part.

### 1.2 Project Background:

During pandemic Covid-19 was on high priority and almost all doctors were on duty at Covid-19 care centers which lead to negligence towards other diseases. Many patients suffered amidst pandemic due to unavailability of doctor's appointment. Lockdown restrictions made it more difficult to get information about available appointment slot and doctor's availability. Conventional medical treatment and health checkup is proven to be not feasible in these pandemic-like situations. There must be some virtual medium which will provide ease to both patients and doctors.

#### 1.3 Aim & Objectives:

- The purpose of our Project "Meet Your Doctor" is to automate the process of getting medical treatment and health checkup in a way that saves both time and effort.
- This application manages all the information of patients and doctors.
- The project is developed at administrative end and thus only the administrator is guaranteed to have access to everything.
- This web application reduces the manual efforts of looking for a doctor and booking appointments.

### 2. Business Requirements Overview:

- Meet Your Doctor is the public web application.
- Meet Your Doctor will be opened to the global, but in the phase 1, the main target is in the India.
- There are mainly two types of users. One is the Doctor and other is Patient.
- Patients can search for the available specialist Doctors in respective location.
- Doctor can create time table for appointment based on available time and can check information about the booked appointments.
- Meet Your Doctor provides the facility to connect the patients with the doctor efficiently.
- Meet Your Doctor could be maintained by Administrator.

### 3. Functional Requirements Overview:

Meet Your Doctor consists of three modules described as below.

- 1. Admin Module
- 2. Doctor Module
- 3. Patient Module

### 3.1 Admin Module

- Meet Your Doctor provides all functionality to admin how to handle the System.
- Admin can verify the new doctor when credentials found authentic.
- Admin has controls and can see the Patient Details and Doctor details.
- Admin can see the Doctor details and if admin found any details in-appropriate, admin can delete those entries.
- Admin can deactivate the Doctor temporarily or permanently.
- Admin can add Home Page video to improve look and feel of website

#### 3.2 Doctor Module

- Doctor can update his profile as per his/her requirements.
- Doctor can see the current appointments and appointment history.
- Doctor can cancel appointment in case of emergency.
- Doctor can update timetable according to availability and holidays.
- Doctor can change existing password.

#### 3.3 Patient Module

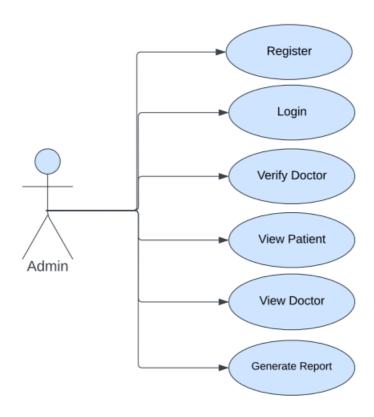
- Patient can update his profile as per his/her requirements.
- Patient can search doctors according to locality and specialty of doctor.
- Patient can see the current appointments and appointment history.
- Patient can pay fees online through Razorpay
- Patient can change existing password.

### 4. Non-Functional Requirement:

- The website should use professional design, look, and feel and color scheme.
- Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult to specify exact number of visitor or users.
- Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links, and other actions provided on the screens.
- The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.

# **5.** Use-Case Diagram

### 5.1 Admin



`Fig. Use-Case Diagram for Admin

### **5.2 Doctor**

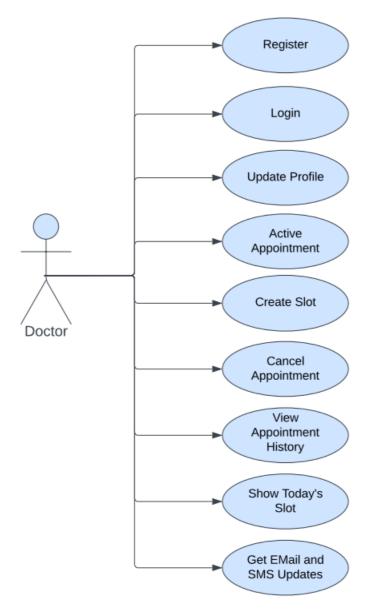


Fig. Use-Case Diagram for Doctor

### **5.3 Patient**

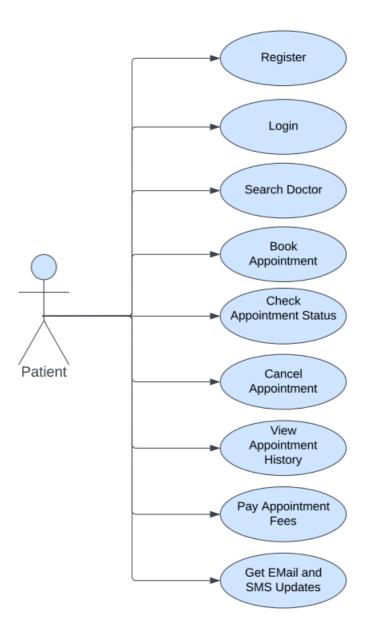


Fig. Use-Case Diagram for Patient

# 6. Database Design:

# 1] Login table

Field	Type	Null	Key	Description
id	Integer	No	Primary	Login ID
			key	
user_name	Varchar(45)	No		User Name
password	Varchar(45)	No		User Password
otp	int	No		OTP

## 2] Doctor table

Field	Type	Null	Key	Description
id	Integer	No	Primary	Doctor ID
			key	
Aadhar_no	varchar (12)	No	Unique	Aadhar
			key	Number
email	Varchar(35)	No		Email
first_name	Varchar(30)	No		First Name
last_name	Varchar(30)	No		Last Name
mobile_number	Varchar(14)	No	Unique	Mobile
			key	Number
Alternate_mobile_number	Varchar(14)	No		Alternate
				Mobile
				Number
gender	Integer	No		Gender
dob	date	No		Date Of
				Birth
fees	Integer	No		Fees
Profile Picture	Varchar(250)	No		Profile
				Picture
Is_doctor_suspended	BIT(1)	No		Doctor
				Status
is_doctor_verified	BIT(1)	No		Doctor
				Status
login_id	int	No	Foreign	Login_id
			key	

## 3] Doctor Address Table

Field	Type	Null	Key	Description
id	Integer	No	Primary key	ID
city	Varchar(30)	No		City
state	Varchar(30)	No		State
town	Varchar(30)	No		Town
country	Varchar(30)	No		Country
pincode	Integer	No		PIN Code
doctor_id	Int	No	Foreign	doctor_ID
			Key	

## **4] Doctor Hobbies Table**

Field	Type	Null	Key	Description
doctor_id	Int	No	Foreign Key	Doctor_ID
hobby	Varchar(40)	No		Hobby

## **5] Doctor Speciality Table**

Field	Туре	Null	Key	Description
doctor_id	BigInt	No	Foreign	Doctor ID
			key	
Services_provided	Varchar(255)	No		Services
				Provided
Speciality_description	Varchar(255)	No		Speciality
				Description
Speciality_type	Varchar(255)	No		Speciality
				Type
Speciality_photo	Varchar(255)	No		Speciality
				Photo

## **6] Doctor Qualification Table**

Field	Type	Null	Key	Description
doctor_id	BigInt	No	Primary	Doctor ID
			key	
Certificate_photo	Varchar(255)	No		Certificate Photo
education_type	Varchar(20)	No		Education Type
marks	double	No		Marks
year	int	No		Year

# 7] Bank account Table

Field	Type	Null	Key	Description
Bank_acct_id	bigint	No	Primary	Bank Account ID
			key	
ifsccode	Varchar(20)	No		IFSC Code
bank_account_number	Varchar(25)	No		Bank Account
				Number
bank_name	Varchar(50)	No		Bank Name
name_as_per_bank	Varchar(50)	No		Name as Per
				Bank
pan_card_no	Integer	No		Pan Card
				Number

## 8] Doctor time-table Table

Field	Type	Null	Key	Description
timetable_id	Big Int	No	Primary	Doctor Time Table
			key	ID
doctor_id	Integer	No	Foreign	References doctor
	_		key	ID
weekday	Varchar(45)	No		Weekday
start_time	Time(0)	No		Start Time
end_time	Time(0)	No		End Time
break_time	Time(0)	No		Break Time
status	Varchar(45)	No		Status

# 9] Payments Table

Field	Type	Null	Key	Description
payment_id	Big Int	No	Primary	Appointment ID
			Key	
Order_id	Varchar(20)	No		Appointment
				Date
amount	number	No		Appointment
				Time
status	Varchar(10)	No		Appointment
				Type
razorpay_payment_id	Varchar(100)	No		Cancelled by

# 10] Patient Table

Field	Type	Null	Key	Description
patient_id	Integer	No	Primary	Patient ID
			key	
first_name	Varchar(30)	No		First Name
last_name	Varchar(30)	No		Last Name
mobile_number	Varchar(14)	No	Unique	Mobile
			key	Number
alternate_mobile_number	Varchar(14)	Yes	Unique	Alternate
			key	Mobile
				Number
gender	Varchar(20)	No		Gender
blood_group	Varchar(5)	No		Blood Group
dob	date	No		Date Of Birth
profile_picure	Varchar(250)	No		Profile
				Picture
login_id	Integer	No	Foreign	Reference to
			key	login id

# 11] Patient Address Table

Field	Type	Null	Key	Description
id	Integer	No	Primary key	ID
city	Varchar(30)	No		City
state	Varchar(30)	No		State
town	Varchar(30)	No		Town
country	Varchar(30)	No		Country
pincode	Integer	No		PIN Code
patient_id	Int	No	Foreign Key	Patient_ID

## 12] Patient Hobbies Table

Field	Type	Null	Key	Description
patient_id	Int	No	Foreign Key	Patient_ID
hobby	Varchar(40)	No		Hobby

## 13] Appointment Table

Field	Type	Null	Key	Description
appointment_id	Integer	No	Primary	Appointment
			key	ID
appointment_date	date	No		Appointment
				Date
appointment_time	Time(0)	No		Appointment
				Time
appointment_description	Varchar(500)	No		Appointment
				Description
appointment_type	Varchar(45)	No		Appointment
				Type
status	Varchar(45)	No		Status
cancelled_by	Varchar(45)	No		Cancelled by
doctor_id	Integer	No	Foreign	References
			key	doctor ID
patient_id	Integer	No	Foreign	References
			key	patient id
payment_id	Integer	No	Foreign	Payment ID
			key	

# 14] Appointment images Table

Field	Type	Null	Key	Description
appointment_id	Integer	No	Primary key	Appointment ID
appointment_date	date	No		Appointment Date

## 15] User Role Table

Field	Type	Null	Key	Description
user_id	Big int	No	Primary	User ID
			key	
role_id	Big int	No	Primary	Role ID
			key	

## 16] Role Table

Field	Type	Null	Key	Description
id	Big int	No	Primary	ID
			key	
role_name	Varchar(20)	No		Role Name

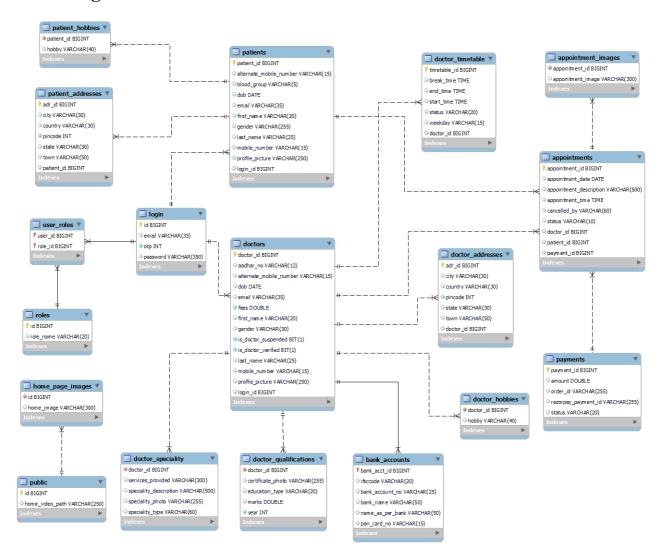
# 17] Home page images Table

Field	Type	Null	Key	Description
id	Bigint	No	Primary	ID
			key	
Home_images	Varchar(300)	No		Home Images

## 18] Public Table

Field	Type	Null	Key	Description
id	Bigint	No	Primary	ID
			key	
home_video_path	Varchar(250)	No		Home video

### 7. ER-Diagram:

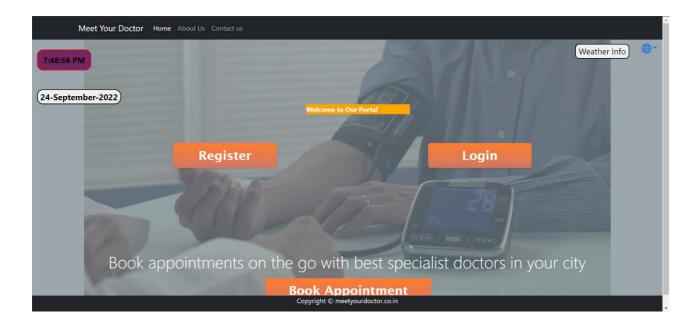


E-R diagram shows database of Meet Your Doctor

## 8. Snapshots:

### 8.1 Home Page:

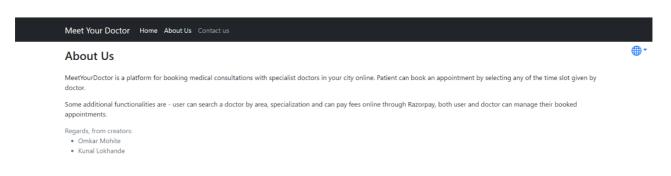
Following snapshot shows the Home page for Meet Your Doctor.

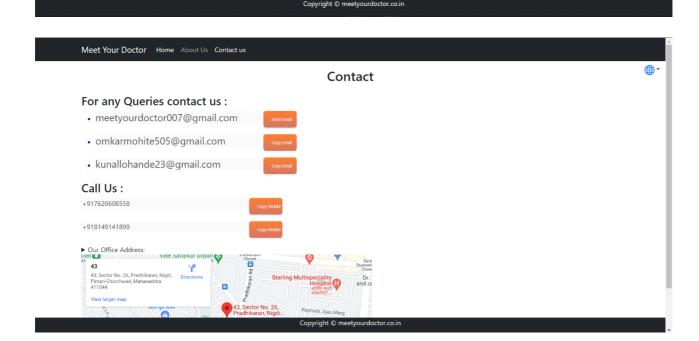


This page contains following controls

- Home
- About Us
- Contact Us
- Register (Patient, Doctor)
- Login (Admin, Doctor, Patient)

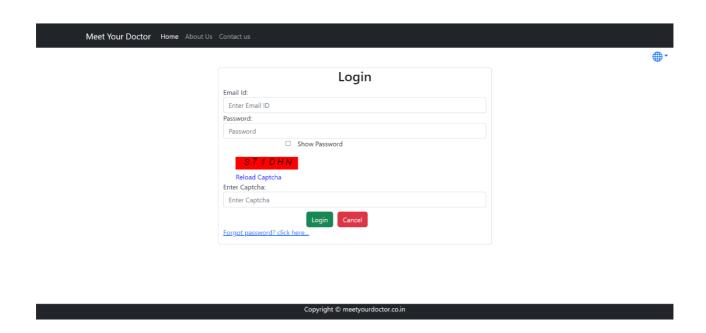
### 8.2 About and Contact Page



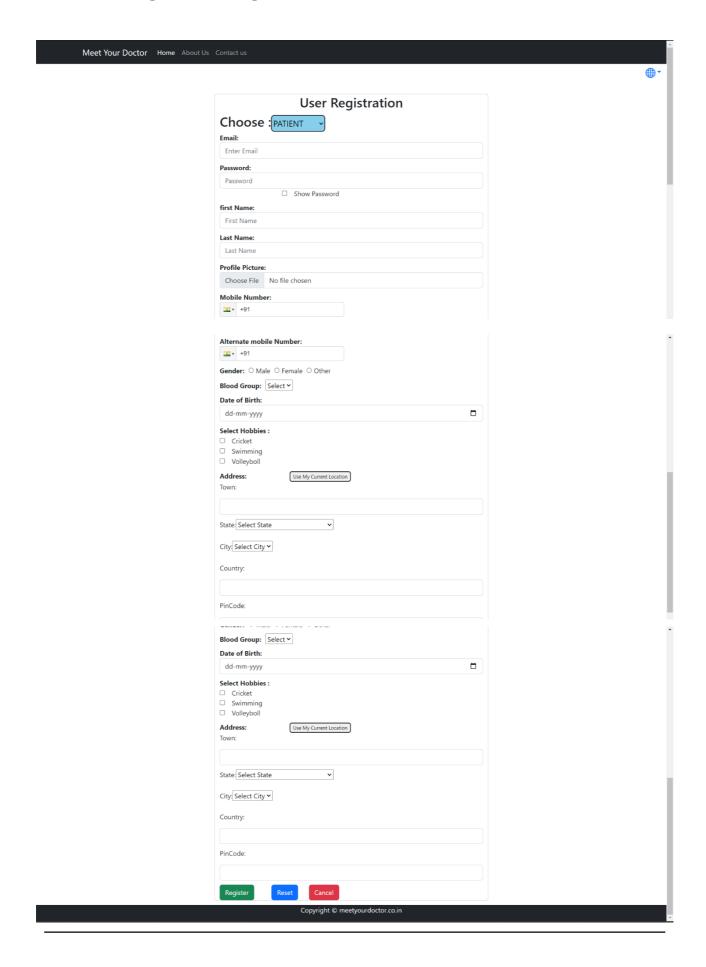


## 8.3 Login Page

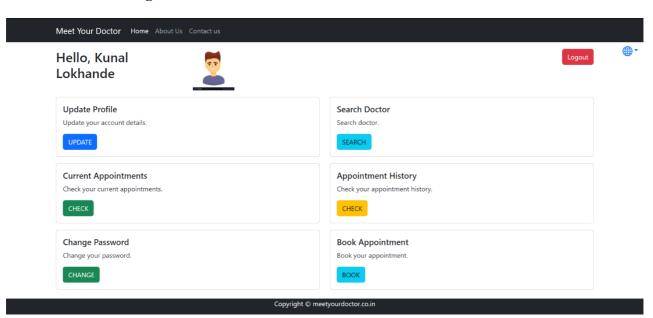
Following snapshot shows the Login page for Meet Your Doctor.



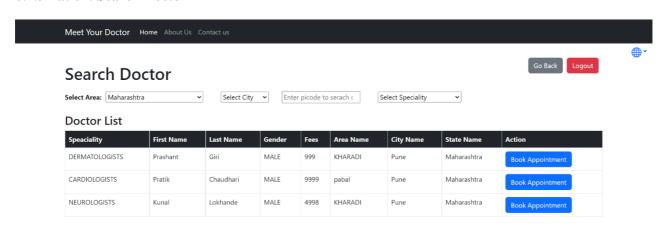
### **8.4 Patient Registration Page**



### 8.4.1 Patient Home Page



#### 8.4.3 Patient Search Doctor

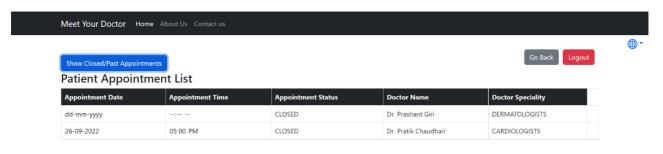


### **8..4 Patient Current Appointment**

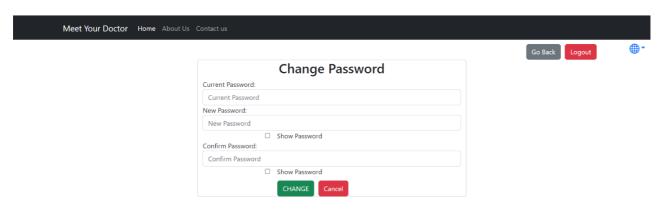


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### **8.4.5 Patient Appointment History**

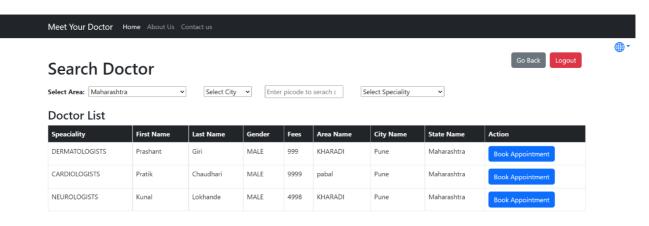


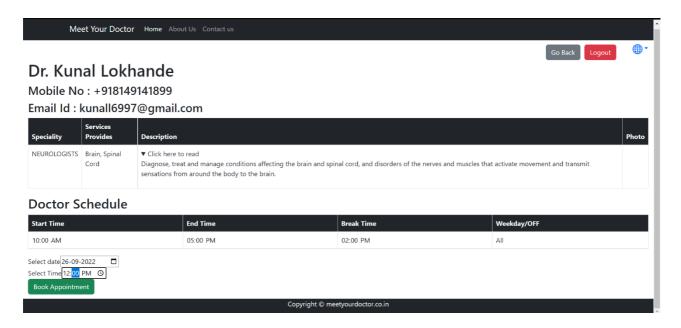
### 8.4.6 Patient Change Password



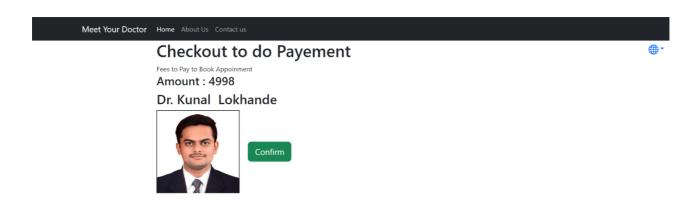
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### **8.4.7 Patient Book Appointment**

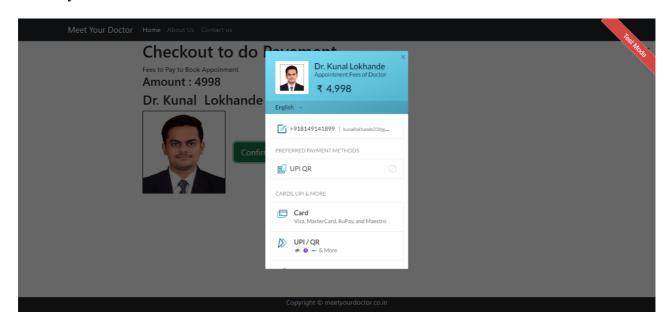




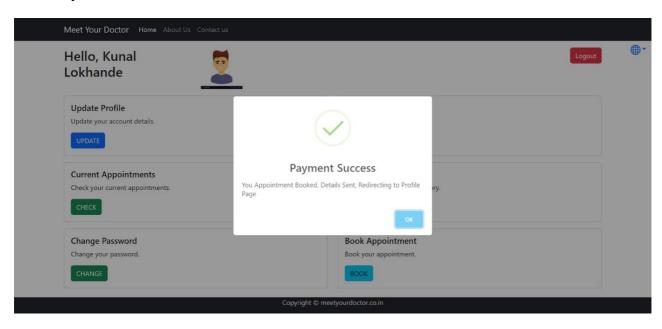
### 8.4.8 Payment Page



### 8.4.9 Payment Dashboard

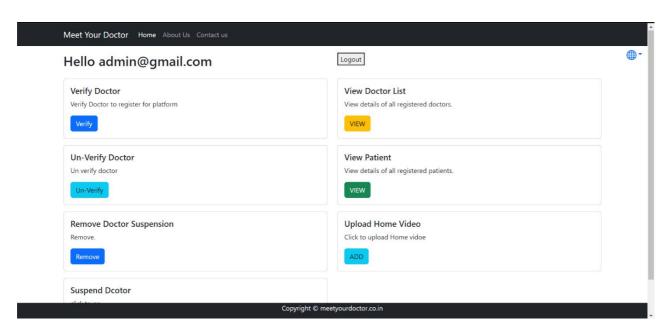


#### 8.4.10 Payment Success



### 8.5 Admin Dashboard

### 8.5.1 Admin Home Page



### 8.5.2 Admin Verify Doctor

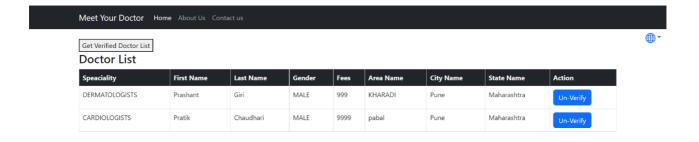


#### **8.5.3** Admin View Doctor List

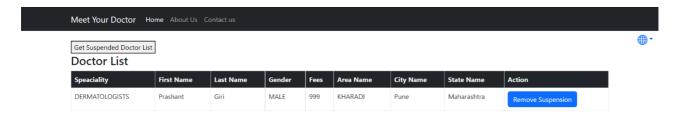


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### 8.5.4 Admin Un-Verify Doctor

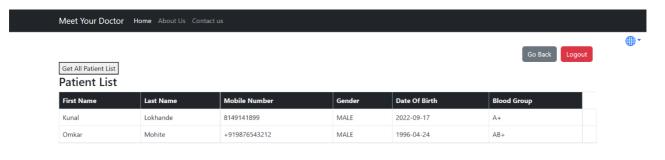


### 8.5.5 Admin Remove Doctor Suspension

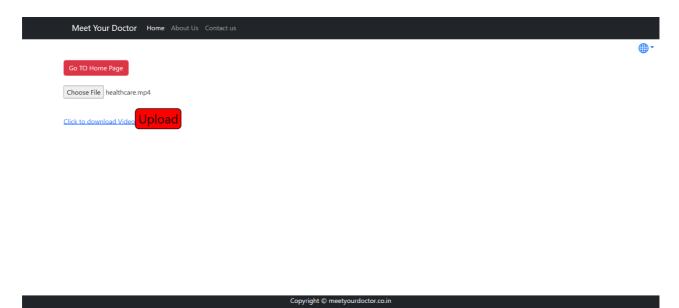


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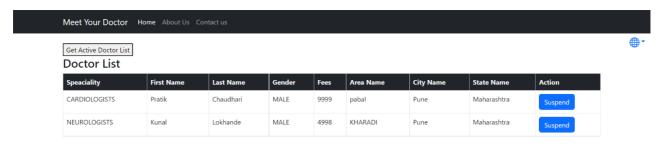
#### 8.5.6 Admin View Patient List



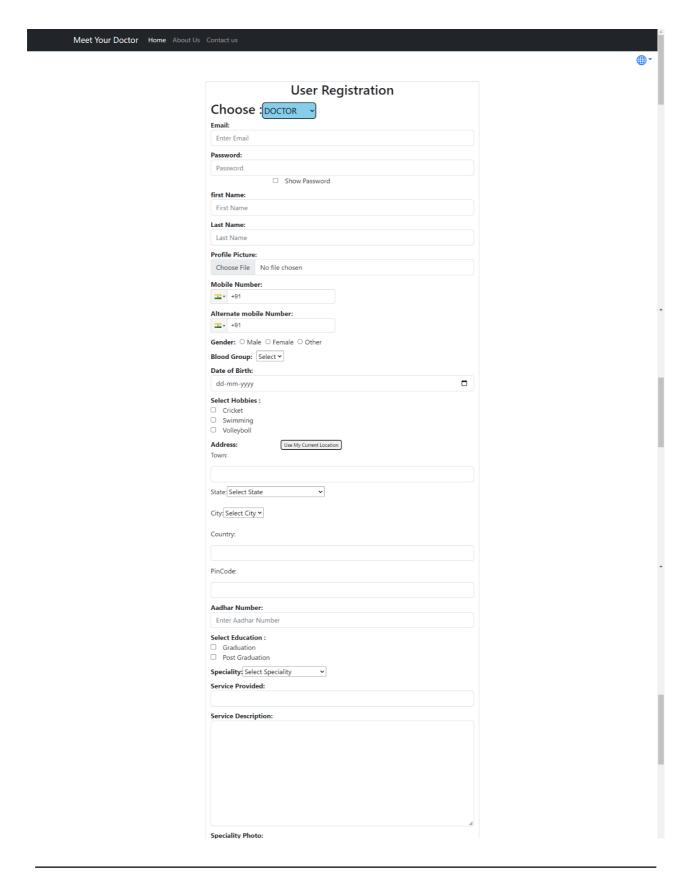
#### 8.5.7 Admin Add Home Video

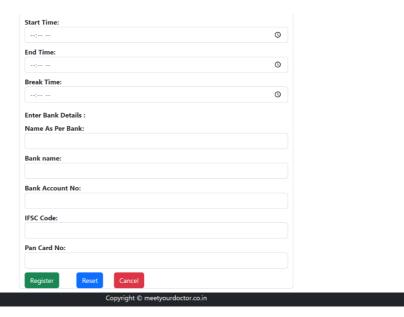


### 8.5.8 Admin Suspend Doctor

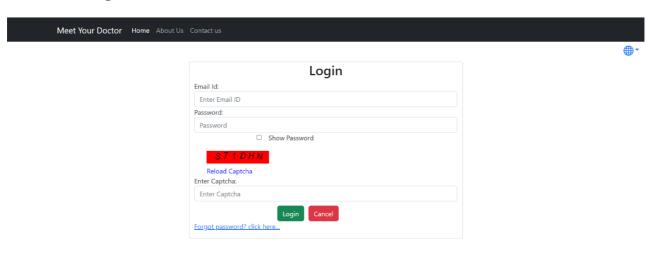


## **8.6 Doctor Registration Page**



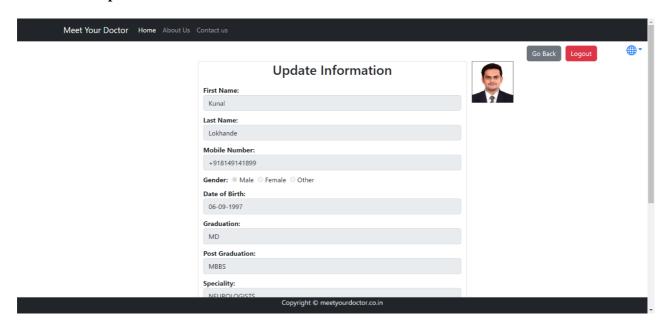


### 8.6.1 Doctor Login

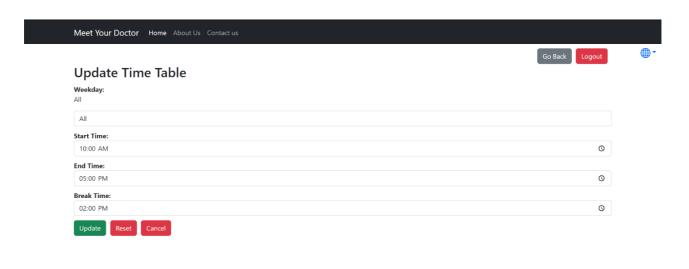


Copyright © meetyourdoctor.co.in 8.6.2 Doctor Dashboard Hello, Dr.Kunal Lokhande **Update Profile Update Time Table** Update your time table. Update your account details. UPDATE Change Password **Current Appointments** Change your password CHANGE CHECK Set Time Table Appointment History Set Your Time Table for Appointments Check your appointment history Copyright © meetyourdoctor.co.in

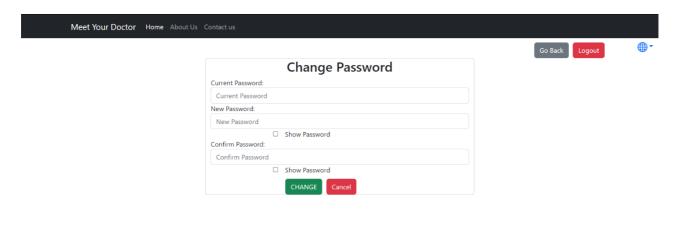
### **8.6.3 Doctor Update Information**



### 8.6.4 Doctor Update Timetable

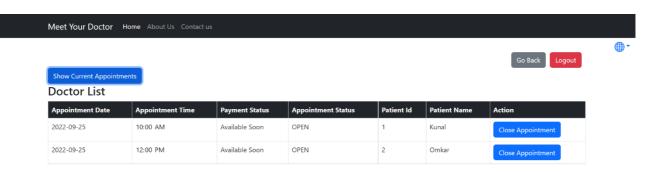


### 8.6.5 Doctor Change Password

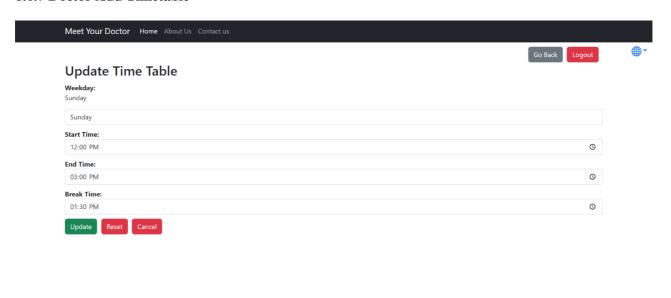


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### **8.6.6 Doctor Current Appointment**

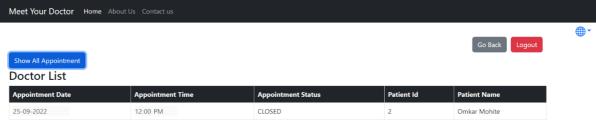


#### 8.6.7 Doctor Add Timetable



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### **8.6.8 Doctor Appointment History**



### 9. CONCLUSION AND FUTURE SCOPE

### 9.1 Future Scope

- We can add Online Consultation.
- Home visit of doctor.
- Blood Bank.
- Pathology (Home Service).

#### 9.1 Conclusion

Internet is changing the world. Though it is not possible to entirely switch the healthcare sector to online mode. But definitely it can help in bridging the gap between Patient and Doctor. Our project Meet Your Doctor serves the purpose of bridging the gap. It makes easy for the patient to search for the doctor in his/her locality or in any other locality. Addition to this patient can also search for the doctor based on the doctor's specialty.