



Software Development Project on Telemedicine App

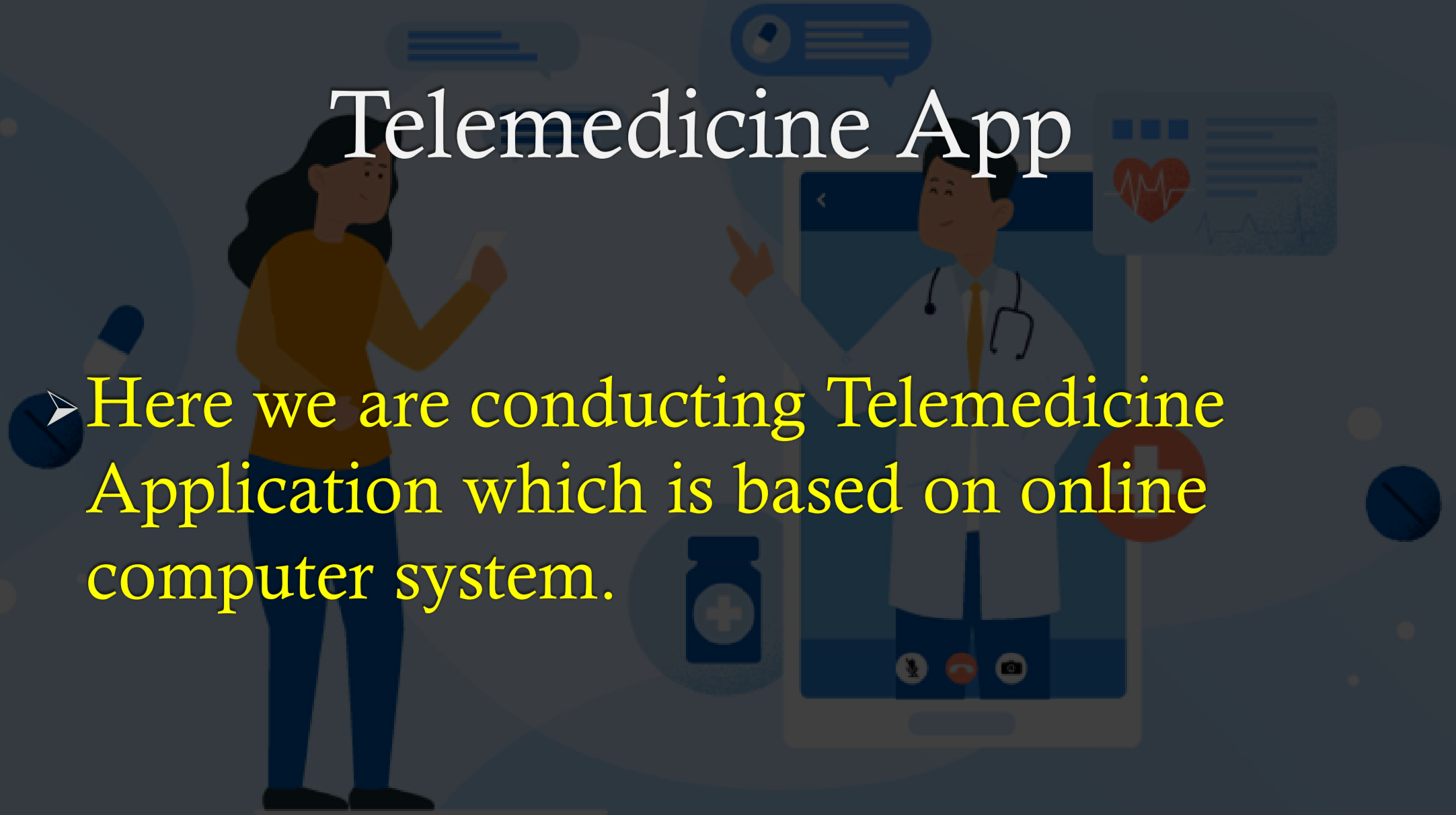
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Telemedicine App

➤ Here we are conducting Telemedicine Application which is based on online computer system.



Telemedicine App

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- ✓ **Problem Solution**
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Introduction

Telemedicine is the use of technology that enables remote healthcare (**telehealth**). Basically it **makes** it possible for physicians(doctor) to treat patients whenever needed and wherever the patient is, by using a computer or smartphone.

Problem Definition

Today Have the problem for going to far
going to away medical center

patient need to wait for their serial number.

patient wait long time in the medical for
showing problem

Manipulation of difficult records is difficult
for patient

people face problem got test report.

face traffic prblm.

Problem Slution

- ✓ we introduce our project to conduct telemedicine service easily by online computer system reducing without physical work.
- ✓ we provide user id and password. the id password is unique so, its data will be secured.
- ✓ admin can control everything patient and doctor .
- ✓ for this telemedicine service people can got service easily seating in the home.



XAMPP



Visual Studio Code



Sublime Text

Tools & Technology

- Tools:-
 - **Sublime Text/Vs Code** - Code Editor.
 - **Xampp server** - xampp server is a windows web development environment.its allows you to create web application with Apache,PHP and the mySQL database.its also come with phpmyadmin to easily manage your database.xampp server installs automatically (installer).and its uses is very intuitive.

Technology

- ◆ **Laravel**: Laravel is a free, open-source PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model–view–controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar.
- ◆ **MySQL** - mysql (database) is an open source database . MySQL is a most popular database system used with PHP.

Front end Technology

- **HTML** : html is used to create and save web document .
- **CSS** : **css** (cascading style sheets) create attractive layouts and affective design.
- **JavaScript** : Its programming language . commonly use with web browsers.
- **Hardware Requirement** : Basic Computer System.

Back end Technology

- **Laravel** : - Laravel is a technology that allows software developers to create a dynamically generated web pages in html , xml or other document types , as per client request.
- **MySQL**: mysql is a database widely used accessing querying , updating , managing data in databases.
- ◇ **Software Requirement** : -
 - Xampp

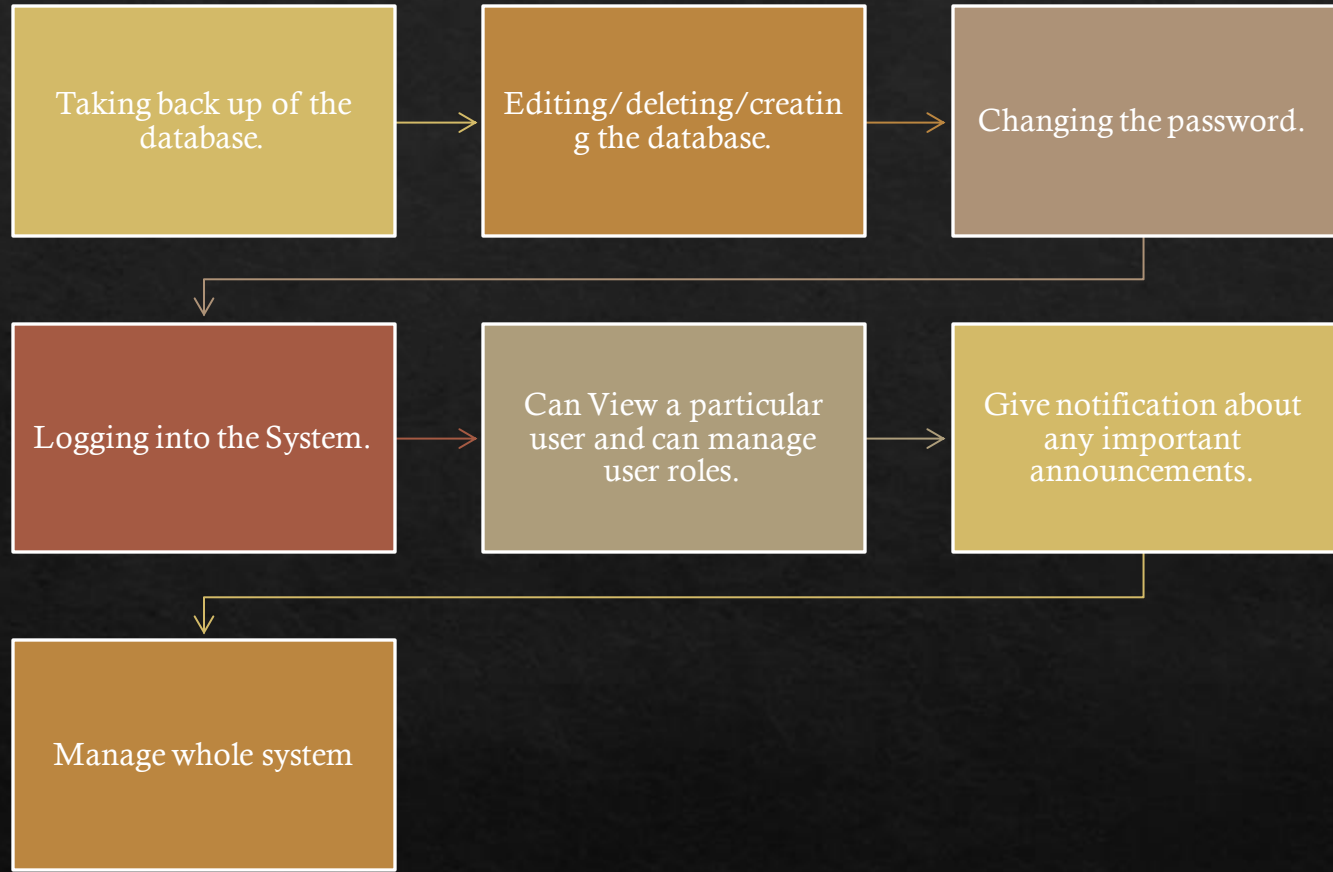
Project Description

The project will complete in three modules which are as follow : -

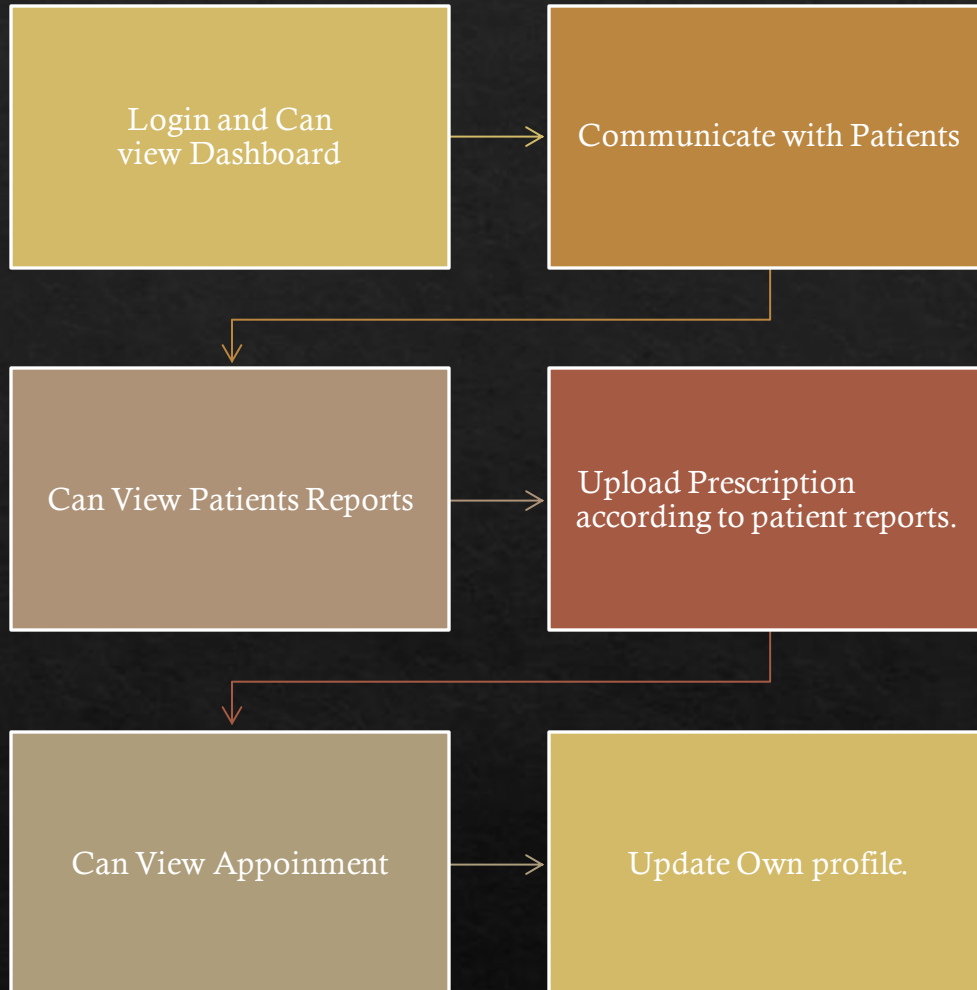


Telemedicine App

- Admin
- Doctor
- Patient



Admin Aspects



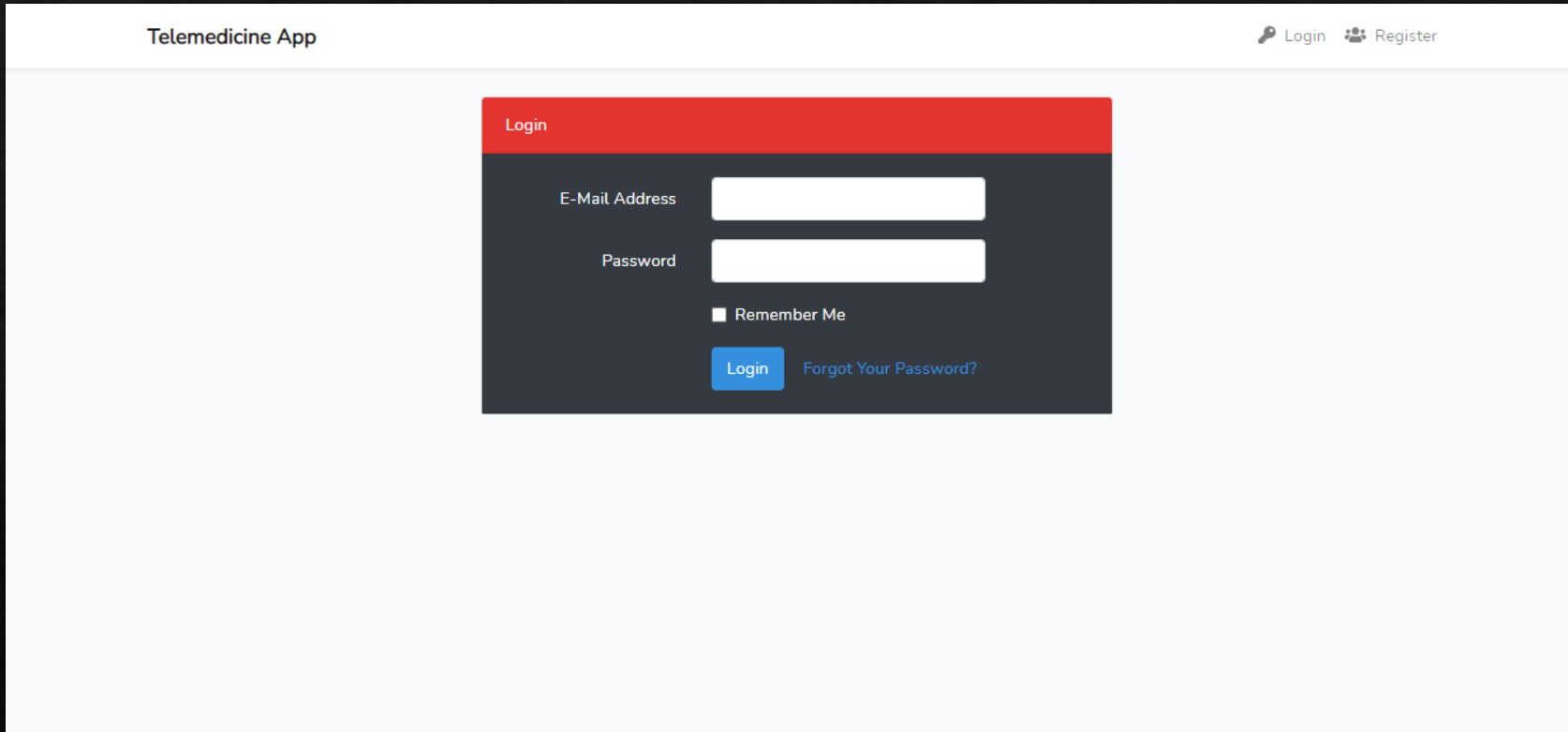
Doctor Aspects



Patient Aspects

❑ Login page:-

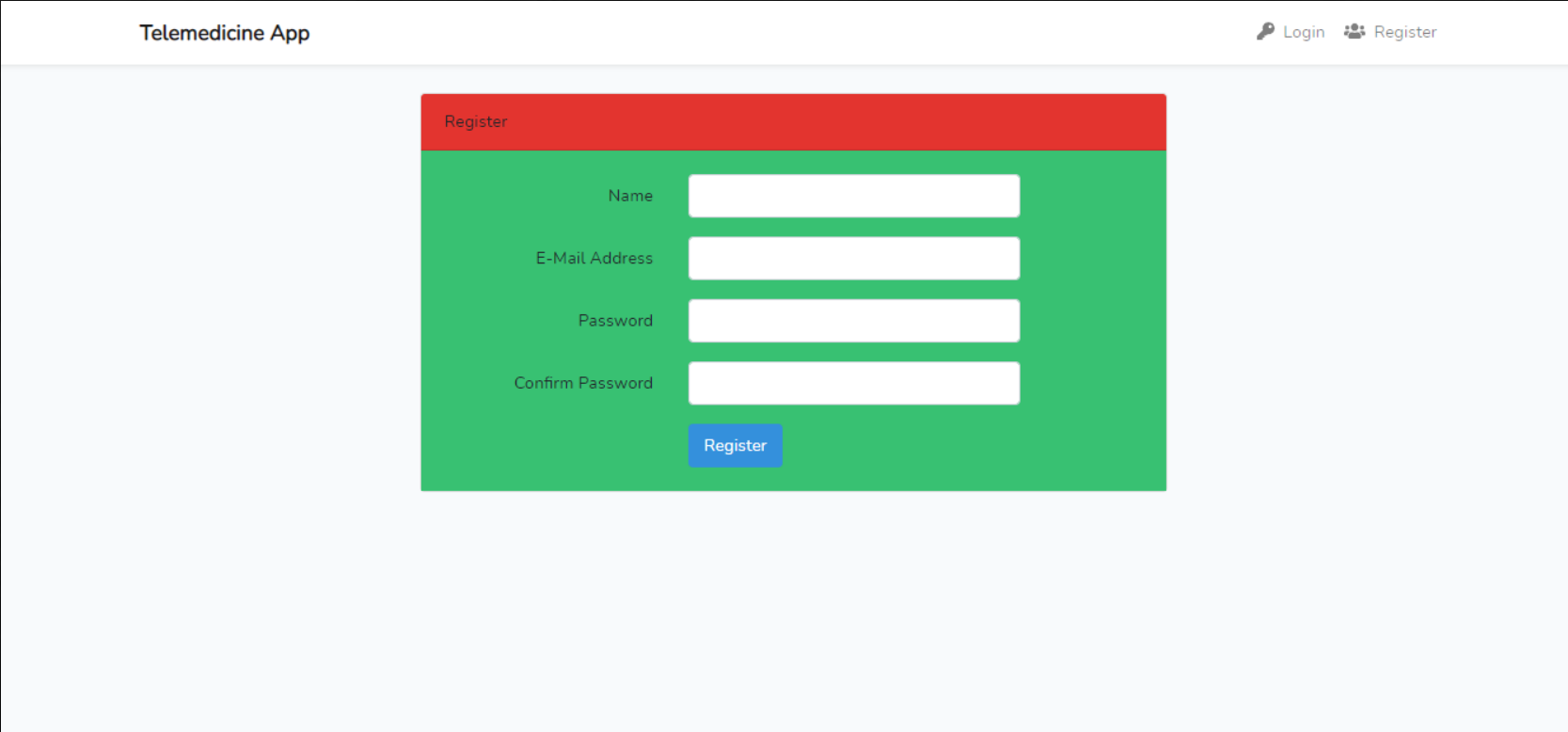
Login Page is same for All users like admin, doctors and patients.



The screenshot displays the login interface for the Telemedicine App. At the top left, the text "Telemedicine App" is visible. At the top right, there are links for "Login" and "Register". The main login form is centered and features a red header with the word "Login". Below the header, there are two input fields: "E-Mail Address" and "Password". A "Remember Me" checkbox is located below the password field. At the bottom of the form, there is a blue "Login" button and a link for "Forgot Your Password?".

❑ Registration page:-

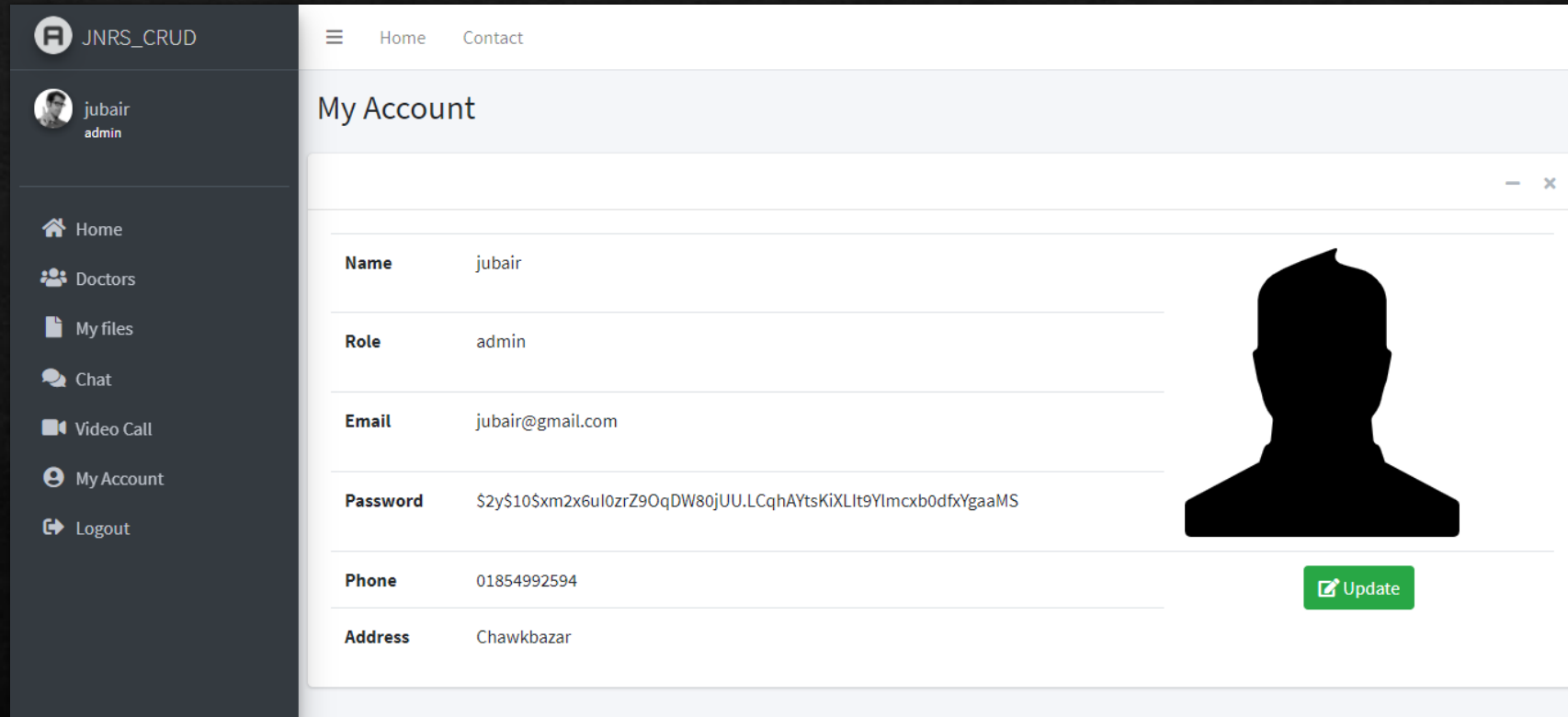
Registration Page is same for All users like admin, doctors and patients.



The screenshot displays the registration interface of a telemedicine application. At the top left, the text "Telemedicine App" is visible. At the top right, there are links for "Login" and "Register". The main registration form is centered and features a red header bar with the word "Register". Below the header, the form is set against a green background and contains four input fields: "Name", "E-Mail Address", "Password", and "Confirm Password". A blue "Register" button is positioned at the bottom of the form.

Admin Dashboard:-

Admin can view Everything in dashboard.



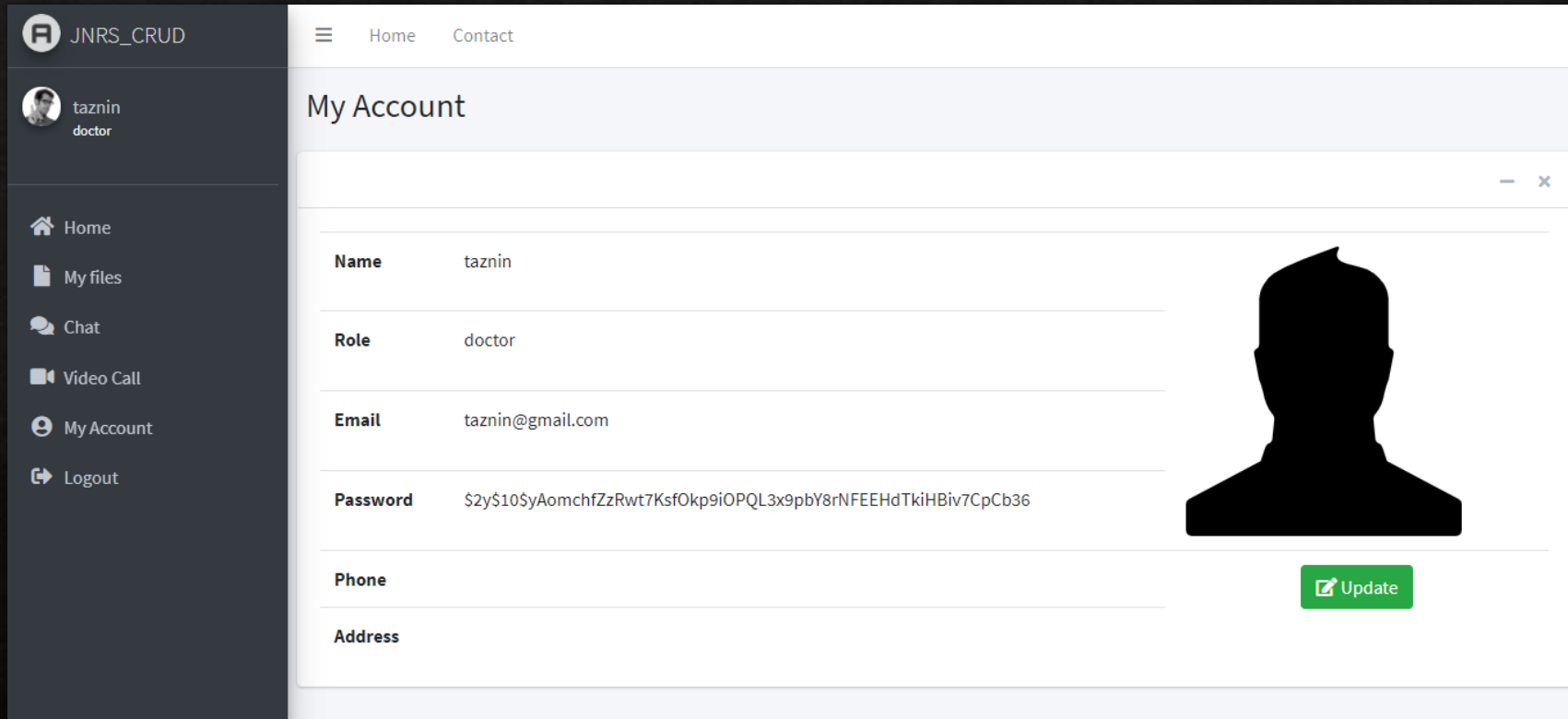
The screenshot displays an admin dashboard interface. On the left is a dark sidebar with the application name 'JNRS_CRUD' and a user profile for 'jubair admin'. The main content area is titled 'My Account' and contains a table of user details. To the right of the table is a silhouette placeholder for a profile picture and a green 'Update' button.

Field	Value
Name	jubair
Role	admin
Email	jubair@gmail.com
Password	\$2y\$10\$xm2x6ul0zrZ9OqDW80jUU.LCqhAYtsKiXLI9YImcxb0dfxYgaaMS
Phone	01854992594
Address	Chawkbazar

[Update](#)

❑ Doctor Dashboard:-

Doctor can view some specific pages.

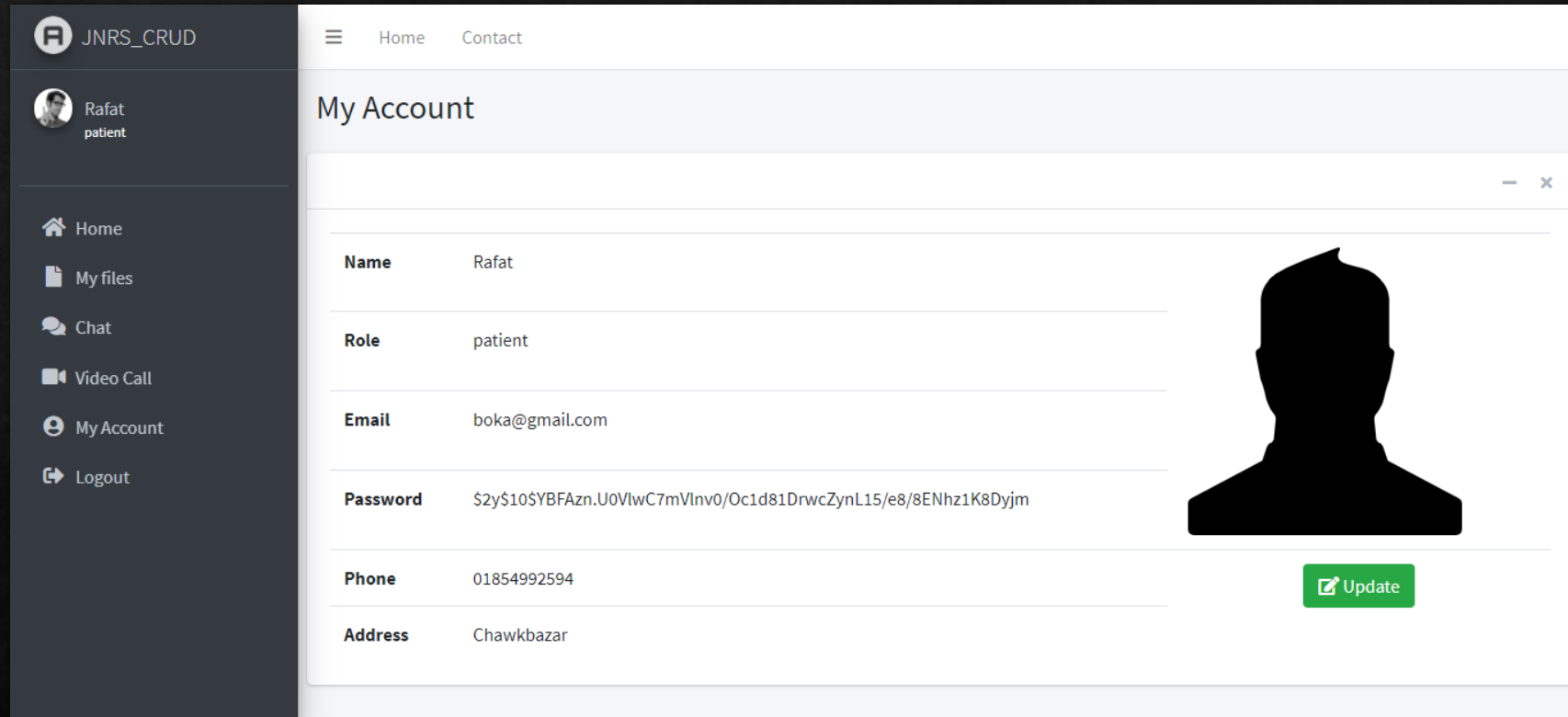


The screenshot displays a web application interface for a doctor's dashboard. On the left is a dark sidebar with navigation options: Home, My files, Chat, Video Call, My Account, and Logout. The main content area is titled 'My Account' and shows a profile card for 'taznin doctor'. The profile card includes a silhouette placeholder for a profile picture and a green 'Update' button. The profile details are as follows:

Field	Value
Name	taznin
Role	doctor
Email	taznin@gmail.com
Password	\$2y\$10\$yAomchfZzRwt7Ksf0kp9iOPQL3x9pbY8rNFEEHdTKiHBiv7CpCb36
Phone	
Address	

❑ Patient Dashboard:-

Patient can access some specific pages.



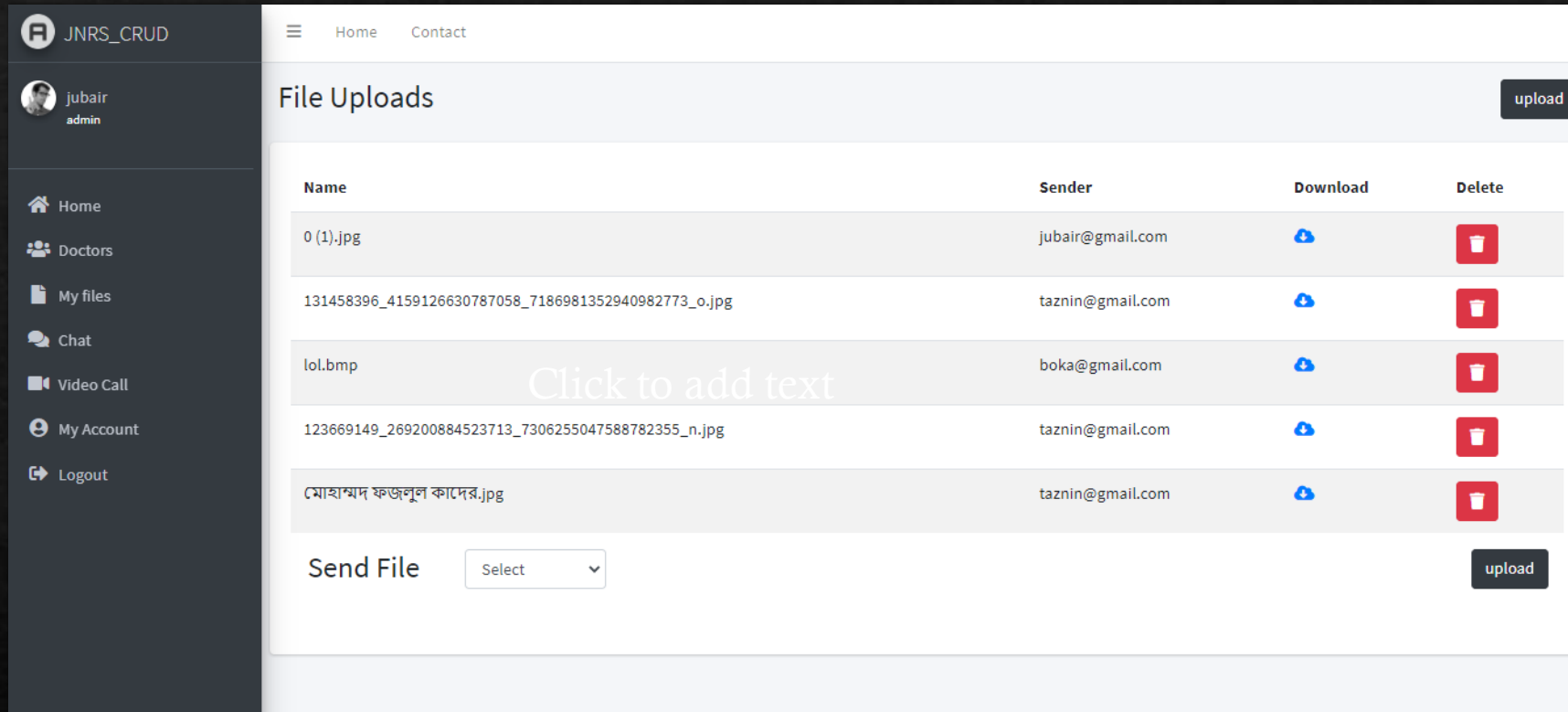
The screenshot displays a patient dashboard interface. On the left is a dark sidebar with navigation options: Home, My files, Chat, Video Call, My Account, and Logout. The main content area is titled 'My Account' and shows a profile card with the following details:











Name	Rafat
Role	patient
Email	boka@gmail.com
Password	\$2y\$10\$YBFAzn.U0VlwC7mVInv0/Oc1d81DrwcZynL15/e8/8ENhz1K8Dyjm
Phone	01854992594
Address	Chawkbazar

To the right of the profile card is a silhouette placeholder for a profile picture, with a green 'Update' button below it. The top navigation bar includes 'Home' and 'Contact' links.

My-File page-

In this page patients can upload their reports and can download doctors prescription. On the other hand ,doctor can download patients reports and upload prescription according to patient reports.



Name	Sender	Download	Delete
0 (1).jpg	jubair@gmail.com		
131458396_4159126630787058_7186981352940982773_o.jpg	taznin@gmail.com		
lol.bmp	boka@gmail.com		
123669149_269200884523713_7306255047588782355_n.jpg	taznin@gmail.com		
মোহাম্মদ ফজলুল কাদের.jpg	taznin@gmail.com		

Send File

Note: Here we have used pdf package which name is DOM pdf and we also used intervention package for image.

Github(DOM) :- <https://github.com/barryvdh/laravel-dompdf>

Intervention package : <http://image.intervention.io/>

Appointment-

In this page patients can create appointment .On the other hand ,doctor can view appointment.





The screenshot displays a web application interface for managing appointments. On the left is a dark sidebar with navigation options: Home, Doctors, My files, Chat, Video Call, My Account, and Logout. The main content area is titled 'Appointments' and includes a 'Create Appointment' button. A modal form is open in the center, containing a date input field (mm/dd/yyyy), a dropdown menu for 'Faisal Khan', and a time input field (---:--:--). A 'Save' button is located at the bottom of the modal. Below the modal, a table lists appointments with columns for Doctor Name, Date, Time, Cancel, Chat, and Video. The table contains two entries: Nabil and Sohailul Alam.

Doctor Name	Date	Time	Cancel	Chat	Video
Nabil					
Sohailul Alam	2020-12-17	16:25:00			

Doctor Page-

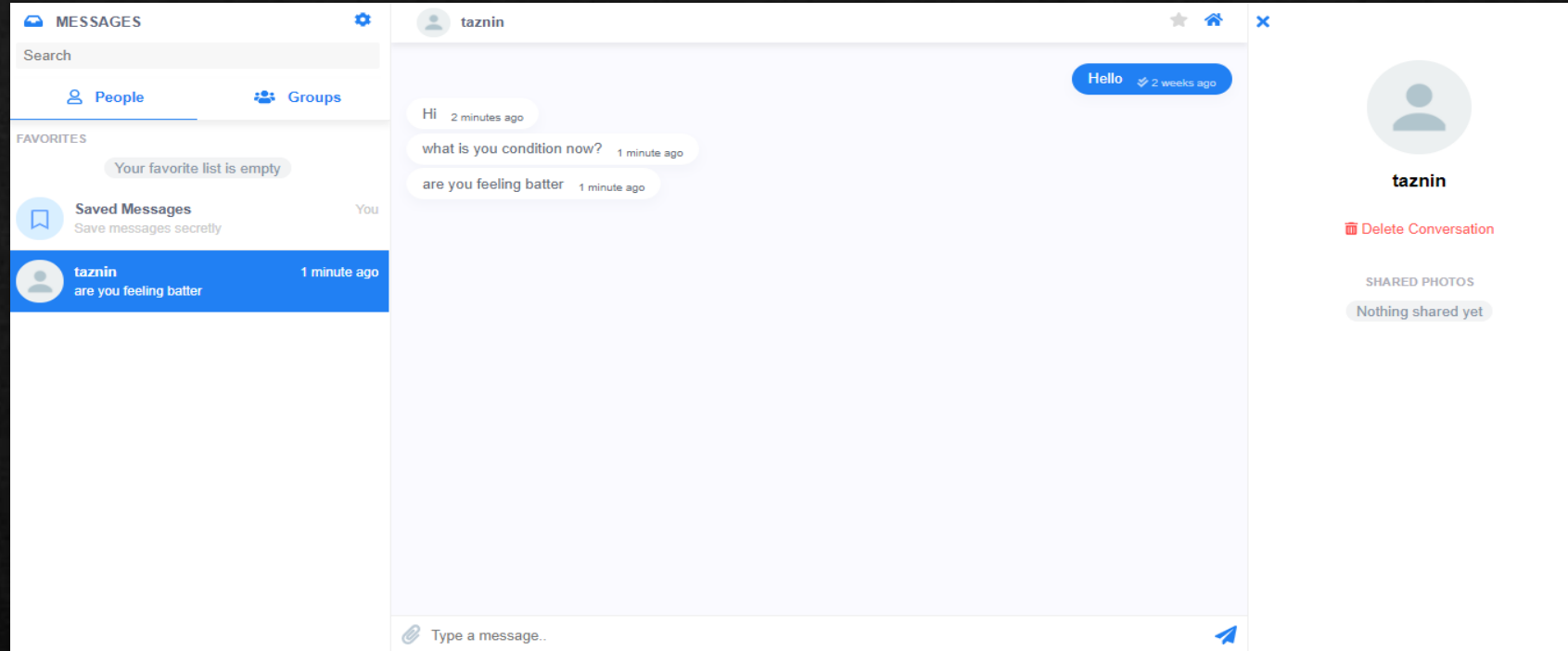
Admin can Add doctor and delete also.

The screenshot displays a web application interface for managing doctors. On the left is a dark sidebar with the logo 'JNRS_CRUD' and a user profile for 'jubair admin'. The sidebar contains navigation links: Home, Doctors, My files, Chat, Video Call, My Account, and Logout. The main content area has a top navigation bar with 'Home' and 'Contact' links. Below this is a header for the 'Doctors' section, including an 'Add Doctors' button. A table lists existing doctors with columns for 'Doctor Name', 'Specialization', and 'Action'. The 'Action' column contains edit and delete icons. A modal form is open in the center, allowing the user to add a new doctor with fields for 'Doctor Name', 'Email', 'Password', and 'Specialization', and a 'Save' button.

Doctor Name	Specialization	Action
Emon		 
mamun		 

Chat-

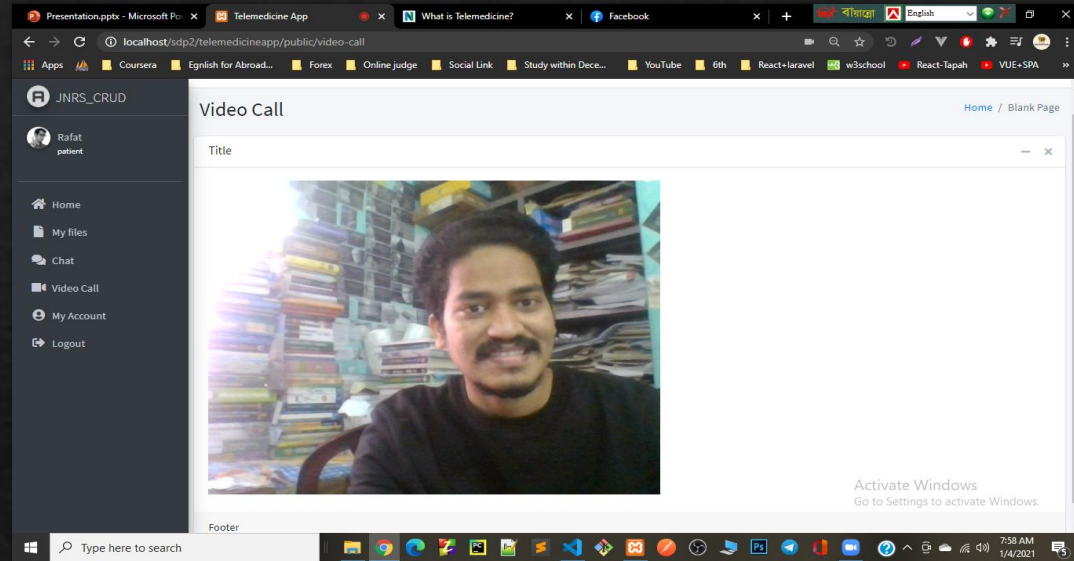
In this page doctors and patients can communicate with each other.



In this chat option we used chatify package.

Github : <https://github.com/munafio/chatify>

Pusher : <https://pusher.com/>



Video Call-

In this page doctors and patients communicate with each other in video call.

Server: 127.0.0.1 » Database: telemedicineapp_db

Structure SQL Search Query Export Import Operations Privileges Routines Events

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> appointments	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> chats	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> doctors	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> favorites	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> messages	★ Browse Structure Search Insert Empty Drop	14	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> migrations	★ Browse Structure Search Insert Empty Drop	17	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> my_accounts	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> my_files	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
<input type="checkbox"/> password_resets	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
<input type="checkbox"/> users	★ Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
<input type="checkbox"/> video_calls	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
11 tables	Sum	43	InnoDB	utf8mb4_general_ci	240.0 KiB	0 B

Database-
This is our Telemedicine App Database.

Use Case and Activity Diagram on Telemedicine App

Use case and class diagram: <https://www2.slideshare.net/jubairjunjun/use-case-and-class-diagram-on-telemedicine-app>

Activity and sequence diagram: <https://www2.slideshare.net/jubairjunjun/activity-and-sequence-diagram-of-telemedicine-app>

Project Link(Github) : <https://github.com/Jubair-Ahmed-Junjun/telemedicineapp>

Conclusion

- ◆ This web application provides facility to conduct online Telemedicine worldwide. It saves time as it allow number of patients to take the healthcare at a time and displays the report as the test gets over so no need to wait for the report its automatically generated by server.
- ◆ Administrator has to create modify , deletion and managed whole system.



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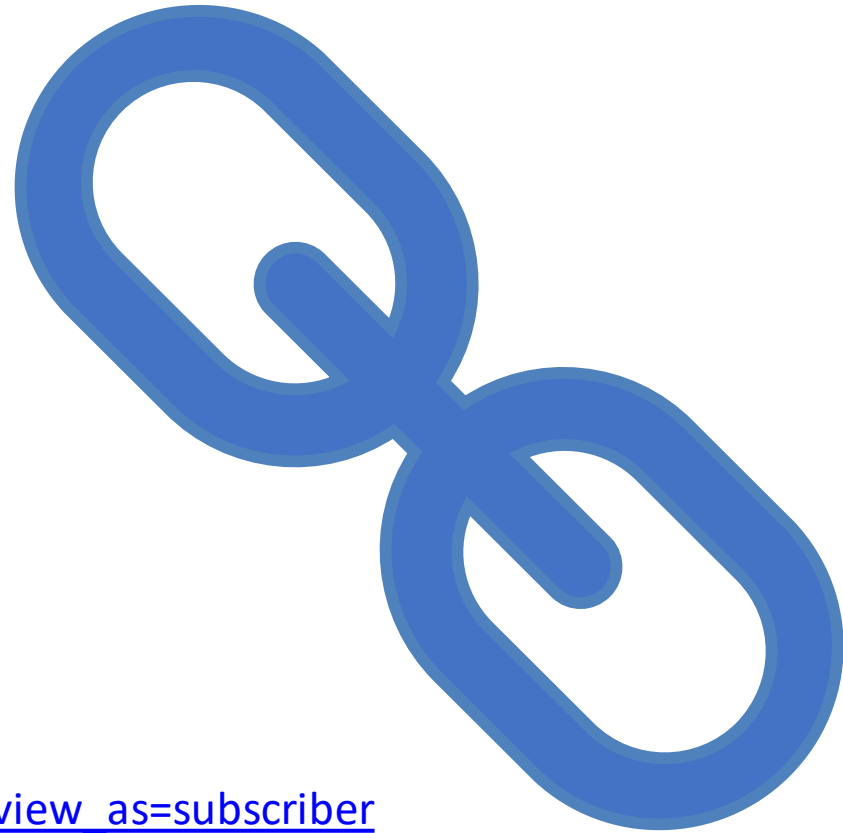
Fb group : <https://www.facebook.com/groups/2704079586349093>

YouTube : https://www.youtube.com/c/JubairAhmedJunjun/videos?view_as=subscriber

LinkedIn : <https://www.linkedin.com/in/jubair-ahmed-junjun-4ab6a0177/>

Facebook profile : <https://www.facebook.com/jubair.junjun/>

Github : <https://github.com/Jubair-Ahmed-Junjun>



THANK YOU

Thanks to you all for give opportunity to represent our project presentation in front of you all.