



Presentation on : Software Development Project-II

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Telemedicine App

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

Telemedicine App

Contents:

- ✓ **Introduction**
- ✓ **Problem Definition**
- ✓ **Problem Solution**
- ✓ **Tools & Technology used**
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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.



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

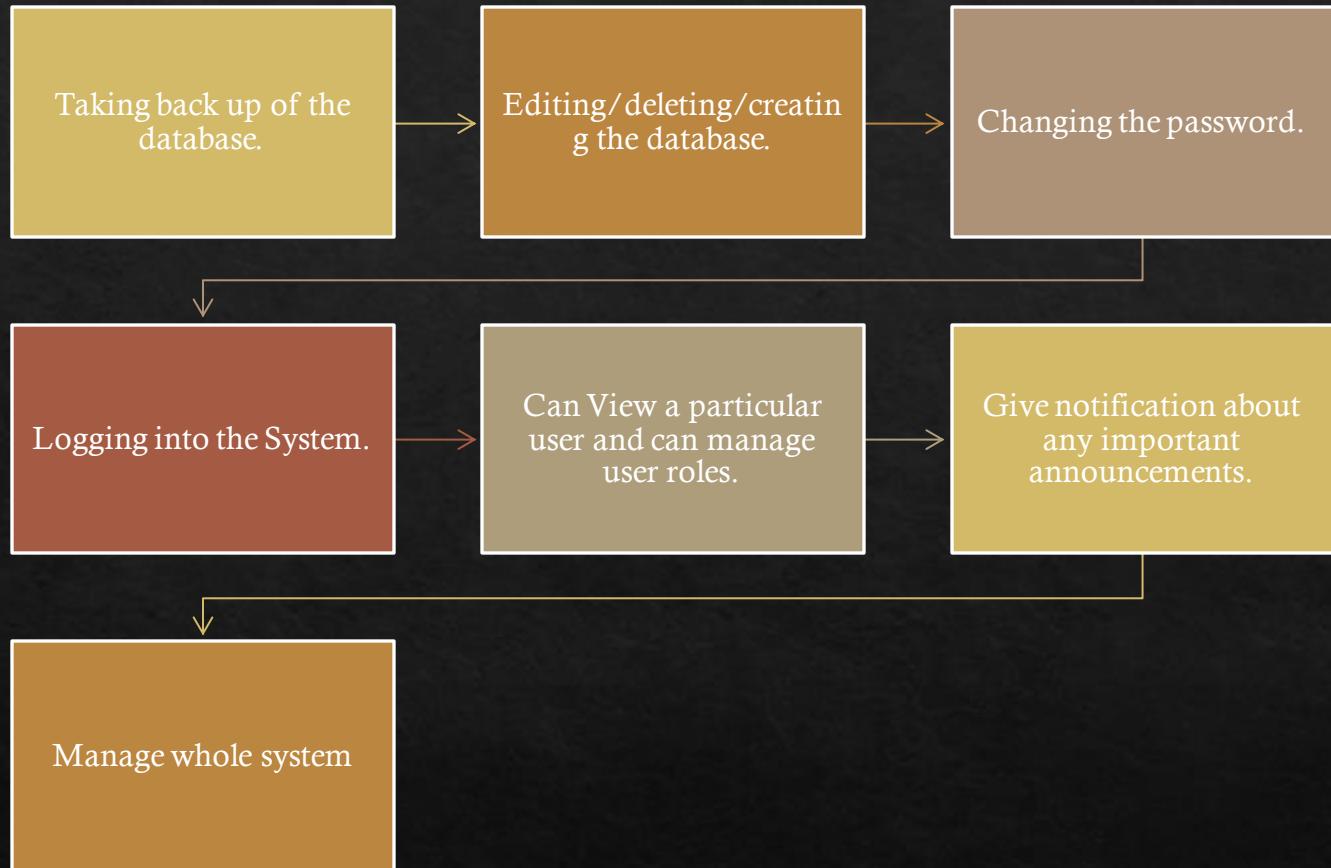
Project Description

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

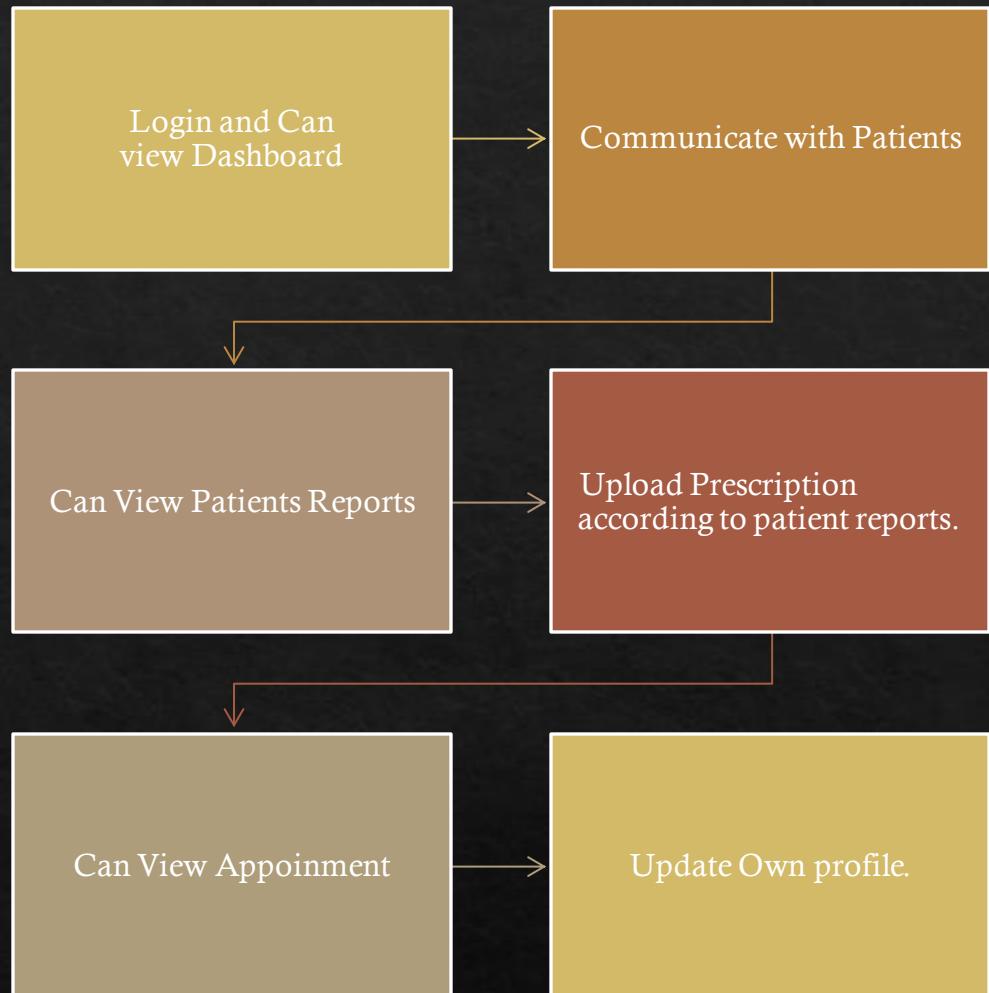
Telemedicine App

- Admin
- Doctor
- Patient

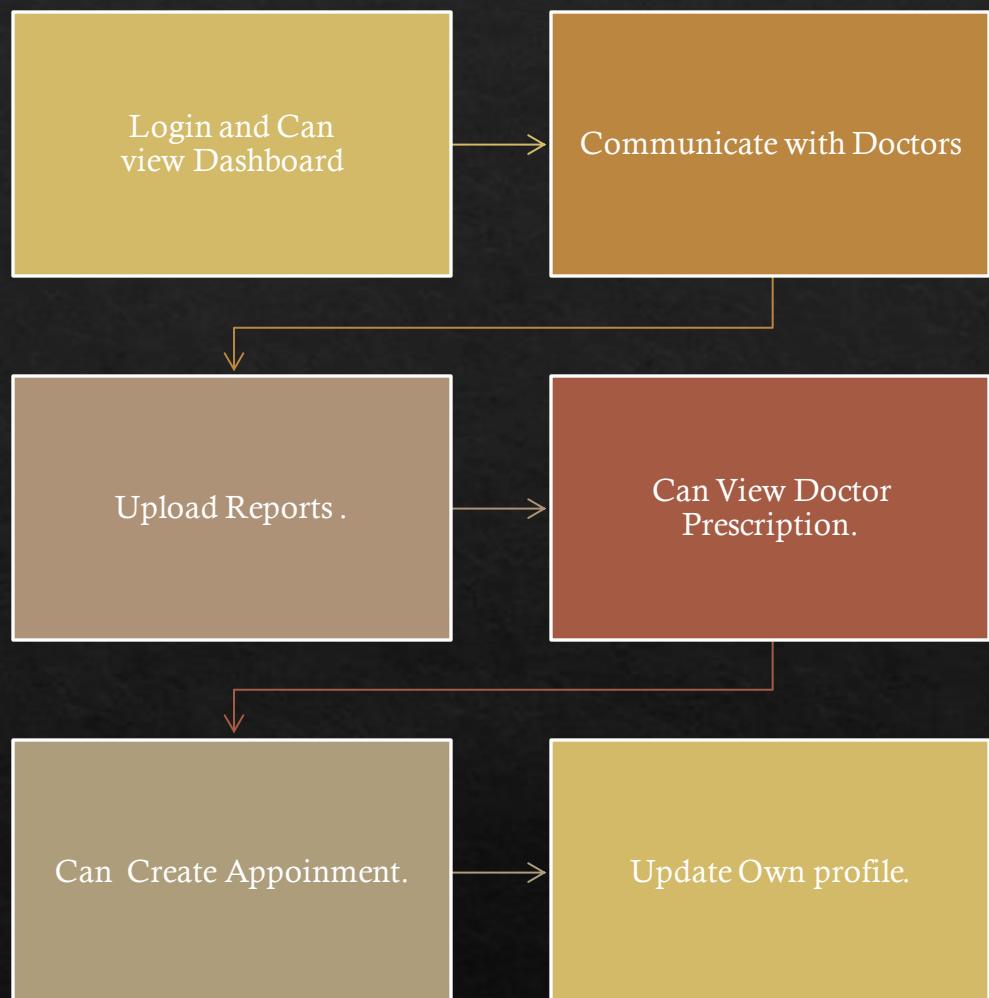
Admin Aspects



Doctor Aspects



Patient Aspects



□ Login page:-

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

The screenshot shows the login interface for a 'Telemedicine App'. At the top left is the app's name, and at the top right are 'Login' and 'Register' buttons. The main area has a red header bar with the word 'Login'. Below it is a dark grey form field containing two white input boxes for 'E-Mail Address' and 'Password', followed by a 'Remember Me' checkbox. At the bottom are a blue 'Login' button and a link 'Forgot Your Password?'

□ Registration page:-

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

The screenshot shows the registration page of a web application. At the top left is the logo 'Telemedicine App'. At the top right are two links: 'Login' and 'Register'. The main form has a red header bar with the word 'Register'. Below this, there are four input fields: 'Name', 'E-Mail Address', 'Password', and 'Confirm Password', each with a corresponding text input box. At the bottom of the form is a blue 'Register' button. The background of the page is white.

□ Admin Dashboard:-

Admin can view Everything in dashboard.

JNRS_CRUD

jubair admin

- Home
- Doctors
- My files
- Chat
- Video Call
- My Account
- Logout

Home Contact

My Account

Name	jubair
Role	admin
Email	jubair@gmail.com
Password	\$2y\$10\$xm2x6ul0zrZ9OqDW80jUU.LCqhAYtsKiXLIt9Ylmcxb0dfxYgaaMS
Phone	01854992594
Address	Chawkbazar



Update

□ Doctor Dashboard:-

Doctor can view some specific pages.

JNRS_CRUD

taznin
doctor

- Home
- My files
- Chat
- Video Call
- My Account
- Logout

Home Contact

My Account

Name	taznin
Role	doctor
Email	taznin@gmail.com
Password	\$2y\$10\$yAomchfZzRwt7KsfOkp9iOPQL3x9pbY8rNFEHdTkiHBiv7CpCb36
Phone	<input type="text"/>
Address	<input type="text"/>

 Update

□ Patient Dashboard:-

Patient can access some specific pages.

JNRS_CRUD

Rafat patient

- Home
- My files
- Chat
- Video Call
- My Account
- Logout

Home Contact

My Account

Name	Rafat
Role	patient
Email	boka@gmail.com
Password	\$2y\$10\$YBFAzn.U0VlwC7mVlnv0/Oc1d81DrwcZynL15/e8/8ENhz1K8Dyjm
Phone	01854992594
Address	Chawkbazar



Update

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.

The screenshot shows a user interface for managing files. On the left is a sidebar with a dark background and white icons. It includes a profile picture for 'jubair admin', a 'JNRS CRUD' title, and a list of links: Home, Doctors, My files, Chat, Video Call, My Account, and Logout. The main area has a light gray background. At the top, there's a navigation bar with 'Home' and 'Contact' links, and a 'upload' button. Below it is a section titled 'File Uploads' with a table. The table has columns for 'Name', 'Sender', 'Download', and 'Delete'. It lists five files: '0 (1).jpg' from 'jubair@gmail.com', '131458396_4159126630787058_7186981352940982773_o.jpg' from 'taznin@gmail.com', 'lol.bmp' from 'boka@gmail.com', '123669149_269200884523713_7306255047588782355_n.jpg' from 'taznin@gmail.com', and 'মোহাম্মদ ফজলুল কাদের.jpg' from 'taznin@gmail.com'. Each row has a blue download icon and a red trash bin icon. At the bottom of the table is a placeholder text 'Click to add text'. Below the table is a 'Send File' button, a 'Select' dropdown menu, and another 'upload' button.

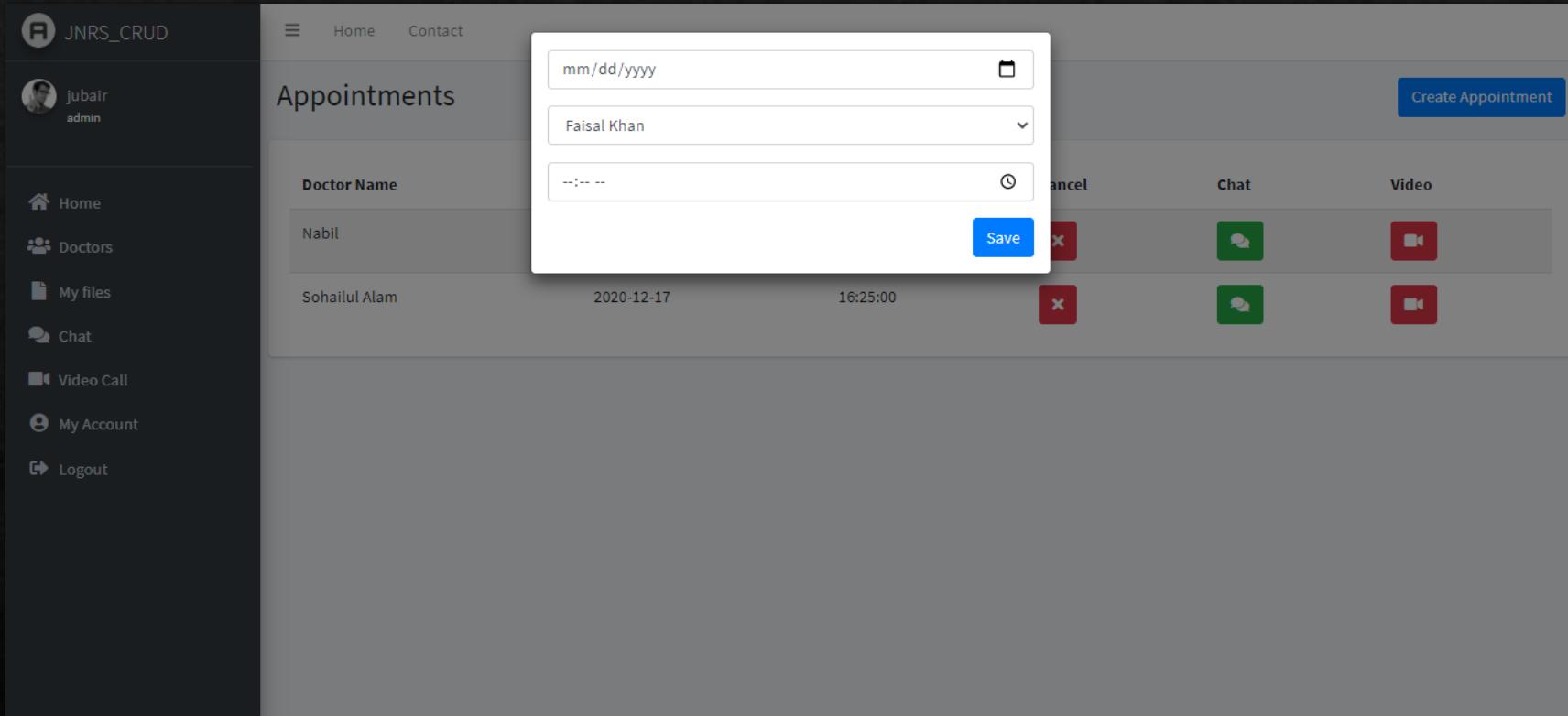
Name	Sender	Download	Delete
0 (1).jpg	jubair@gmail.com		
131458396_4159126630787058_7186981352940982773_o.jpg	taznin@gmail.com		
lol.bmp	boka@gmail.com		
123669149_269200884523713_7306255047588782355_n.jpg	taznin@gmail.com		
মোহাম্মদ ফজলুল কাদের.jpg	taznin@gmail.com		

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.



Doctor Page-

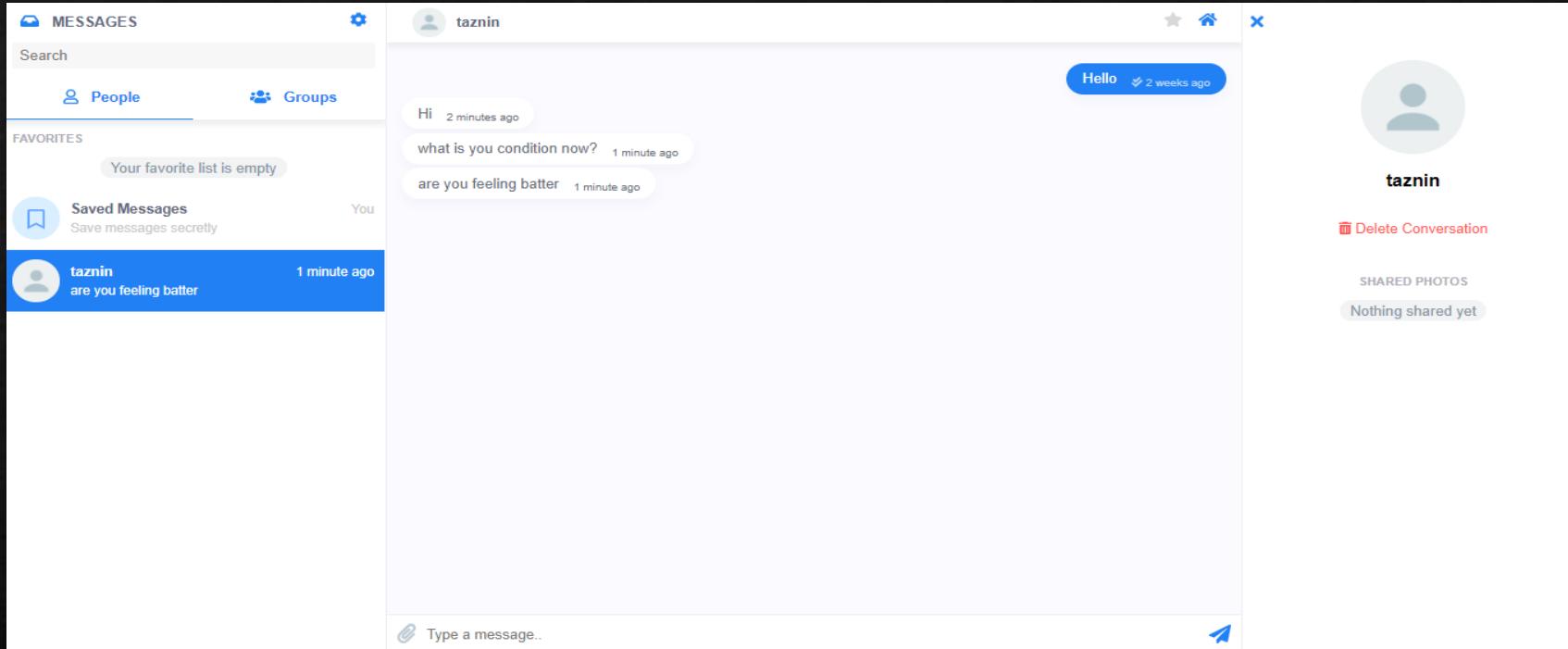
Admin can Add doctor and delete also.

The screenshot shows a dark-themed web application interface. On the left is a sidebar with a user profile for 'jubair' (admin) and links for Home, Doctors, My files, Chat, Video Call, My Account, and Logout. The main content area has a header with 'JNRS_CRUD' and navigation links for Home and Contact. Below this is a table titled 'Doctors' with columns for Doctor Name, Specialization, and Action. Two rows are visible: one for 'Emon' and another for 'mamun'. A modal window is overlaid on the page, containing fields for 'Doctor Name', 'Email', 'Password', and 'Specialization', along with a 'Save' button.

Doctor Name	Specialization	Action
Emon		<input checked="" type="checkbox"/> <input type="button" value="Delete"/>
mamun		<input checked="" type="checkbox"/> <input type="button" value="Delete"/>

Chat-

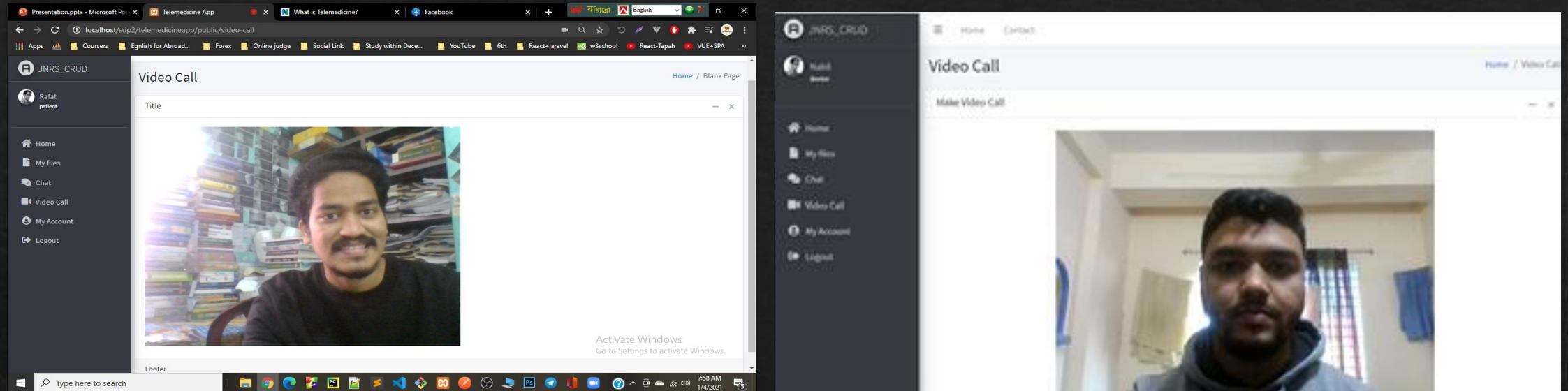
In this page doctors and patients can communicate with each other.



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
appointments	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
chats	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
doctors	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
favorites	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
messages	Browse Structure Search Insert Empty Drop	14	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
migrations	Browse Structure Search Insert Empty Drop	17	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
my_accounts	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
my_files	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_unicode_ci	16.0 KiB	-
password_resets	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_unicode_ci	32.0 KiB	-
users	Browse Structure Search Insert Empty Drop	6	InnoDB	utf8mb4_unicode_ci	48.0 KiB	-
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.

Our Previous Deliverable/Project Proposal/Assignment Links

1st : <https://classroom.google.com/u/0/c/MTIzMTE5MjE0OTU1/a/MTMwODk1NzE3OTAw/details>

2nd : <https://classroom.google.com/u/0/c/MTIzMTE5MjE0OTU1/a/MTYwNDA5MTkwMTc5/details>

3rd : <https://classroom.google.com/u/0/c/MTIzMTE5MjE0OTU1/a/MTcwOTA3MjYxMjY2/details>

4th : <https://classroom.google.com/u/0/c/MTIzMTE5MjE0OTU1/a/MjE3MTI5MzY1NDUx/details>

Project Proposal : <https://classroom.google.com/u/0/c/MTIzMTE5MjE0OTU1/a/MTQ4OTEwOTU3NDky/details>

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 allows 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 manage whole system.

THANK YOU

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