1. INTRODUCTION

Fig 1.1 Healthcare logo

This PHP project you can use for your major PHP project. The main aim for developed Doctor Appointment Form is for solve the purpose for disallow the problems, which we are facing now a days in COVID situation. By giving the facility of the online appointment form will greatly help people to prevent crowd of people at hospital. People need not to wait queue for filling the appointment form. This will prevent many of the people to visit for appointment so that they can only come when their appointment is scheduled. This Online Doctor Appointment Project is show as the fast, error free and secured with fast management of data. With the help of this project which show the good for use of resources. The Doctor Appointment Form in PHP is a simple project developed using PHP server side scripting. PHP is a general-purpose scripting language especially suited to web development. PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.

Online Doctor Appointment Form project using PHP is developed with point of manage the patients, appointment bookings, doctor available schedule information etc. This PHP Project is web

based or online application which will resolves the problem of booking of Appointment according to the choice and requirement of the patient. Under this system, there is one feature like it is very effective solution which has offered with different available doctor availability on suitable dates and times, so patient can book doctor appointment according to their requirements or choice.

This project has optimized phase of medical services to increase patient healthcare experience in hospitals or in clinics. This system has been built by motivating to see the increasing popularity of online appointment booking systems and also for people safety are the main aims of developing this project on online appointment booking system. Now a day it is rational to establish the issue that a very less hospitals has provide online appointment booking system. So solve this all problem we have built this Doctor Online Appointment booking website.

For the user section, the users are patient. The user can check their future appointments, waiting list patients, timings, and prescription records, treatment records, and so on. The main feature of this form is to provide the browser to get appointments from a doctor through the internet instead of going there and fixing an appointment. The design of this project is pretty simple so that the user won't get any difficulties while working on it.

2. DESIGN PROCESS

Doctor Appointment Form project on PHP is developed on PHP. While creating this project we mainly focused on making the functioning of the project friendly to the user. This project makes the online booking of doctors by patients easily. Here, in this project authority is given to the User where they can make any changes.

The project is created after a deep analysis that how easily a managing can be done by Doctor Appointment Form project on PHP. Apart from this, easy access is given to the User where the power to centralized to him only.

There are two main module of this project:

2.1 User Module:

In this section user need to Sign In into the System, after registration your entered details saved into the database. So, now onwards we are ready to login into the system and book the Appointment. User also can update his/her profile. If User have already sign i.e., has already account over the system, then at the login time User need to enter the IC number and password. Then, new window will open their user need to select the data and if doctor is available at that time, then user can book the appointment by filling required fields like symptoms, etc.

2.2 Doctor Module

In this section Doctor module act as an Admin. From Doctor module doctor can see the user appointment and either delete them or processed the appointment. Doctor also can add the work schedule or appointment schedule that is User can see that schedule and can able to book appointment only within schedule time. There is also option called patient list where doctor can see the total number of patient appointment to system and checked by doctor. Doctor also can update his/her profile right at admin dashboard.

3. TOOLS AND TECHNIQUES

We develop this project using php. This is a web development project. Web development is the creation of content for use on the World Wide Web. This content Is hosted on web servers, which allow users to access the content from any connected device via an internet connection. Web development can be static; in other words, some simple web pages do not change over time and are not interactive. These days, however, most web development needs to be dynamic so that it changes to fit users' current needs and preferences. Most web development involves the building of complex web applications. A web application runs on the server and allows a web developer to use a programming language (or scripting language) to create customizable, dynamic content and services.

3.1 Front End:

3.1 fig: front end

The layer above the back end is the front end and it includes all software or hardware that is part of a user interface. Human or digital users interact directly with various aspects of the front end of a program, including user-entered data, buttons, programs, websites and other features. Front end development is programming which focuses on the visual elements of a website or app that a user will interact with (the client side).

3.1.1 HTML

3.1.1 fig: html

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

3.1.2 CSS

3.1.2 fig: css

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML.CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.CSS is designed to enable the separation of presentation and content, including layout, colours, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. CSS information can be provided from various sources.

3.2 phpMyAdmin (Database)

3.2 fig: phpMyAdmin

phpMyAdmin is a free software tool written in PHP, intended to handle the administration of MySQL over the Web. phpMyAdmin supports a wide range of operations on MySQL and MariaDB. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc) can be performed via the user interface, while you still have the ability to directly execute any SQL statement.

phpMyAdmin comes with a wide range of documentation and users are welcome to update our wiki pages to share ideas and hosts for various operations. The phpMyAdmin team will try to help you if you face any problem; you can use a variety of support channels to get help.

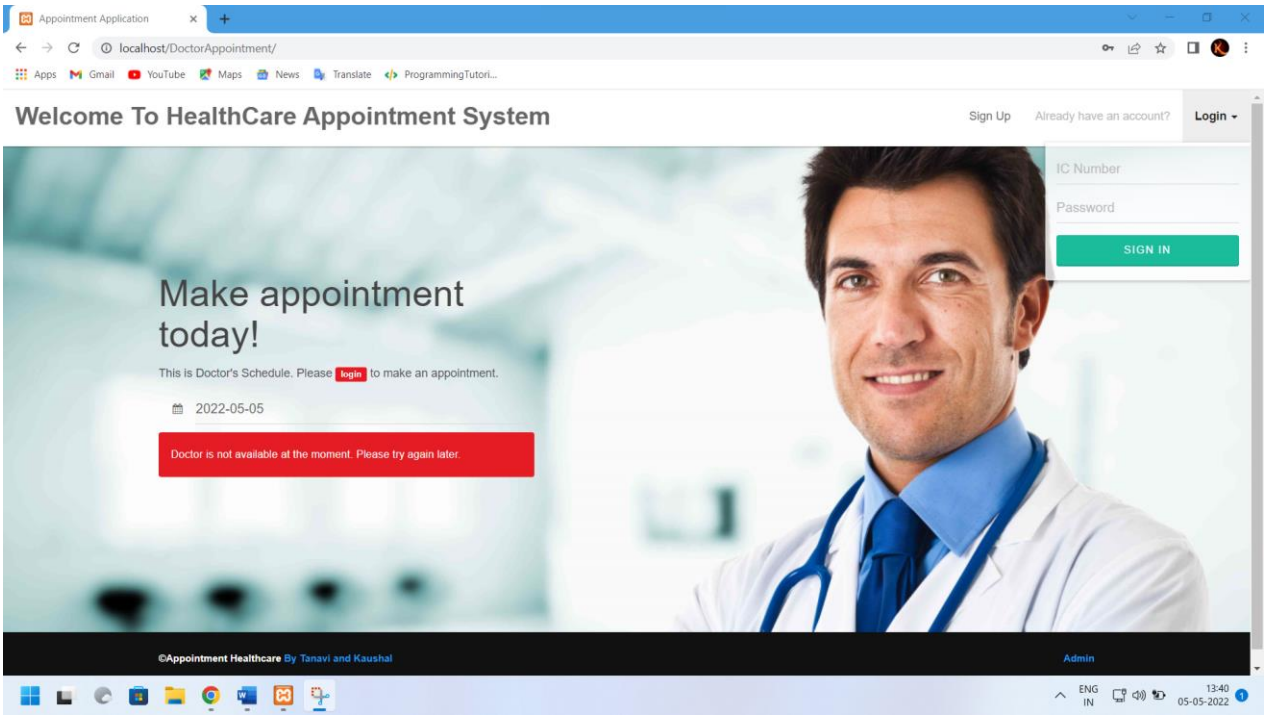
To ease usage to a wide range of people, phpMyAdmin is being translated into 72 languages and supports both LTR and RTL languages. phpMyAdmin is a mature project with a stable and flexible code base; you can find out more about the project and its history and the awards it earned. When the project turned 15, we published a celebration page.

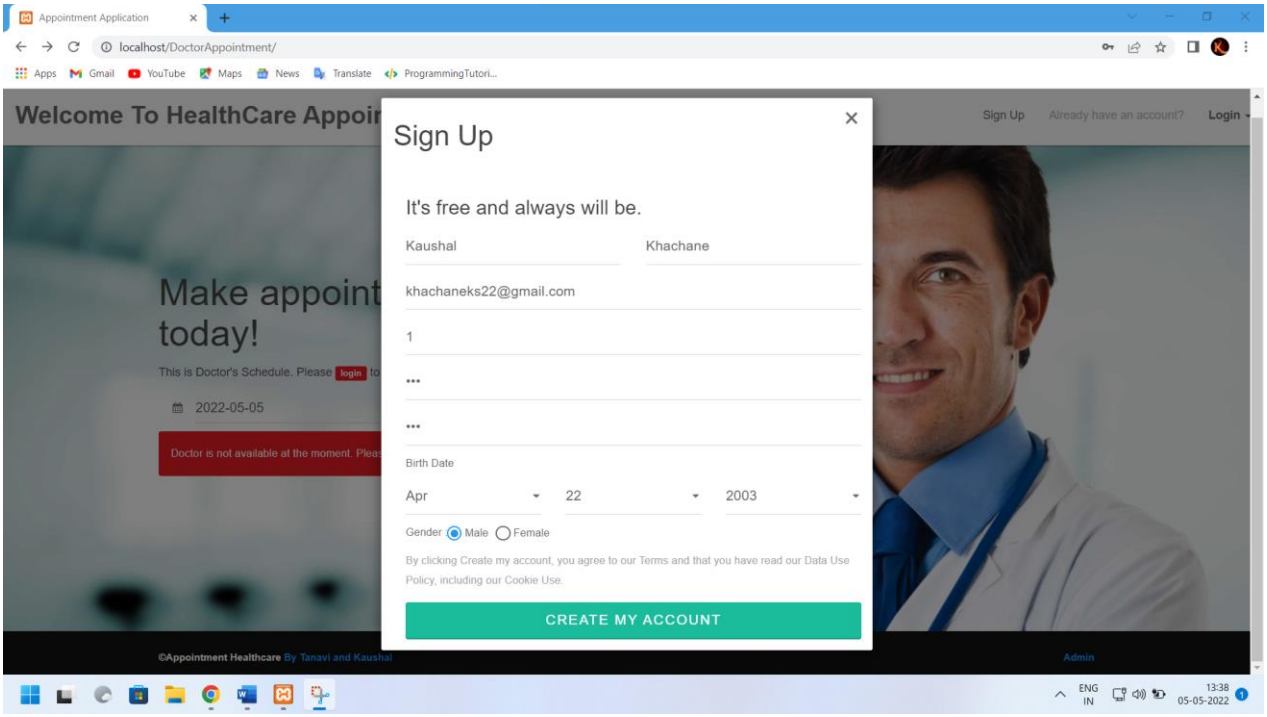
The phpMyAdmin project is a member of Software Freedom Conservancy. SFC is a not-for-profit organization that helps promote, improve, develop, and defend Free, Libre, and Open-Source Software (FLOSS) projects.

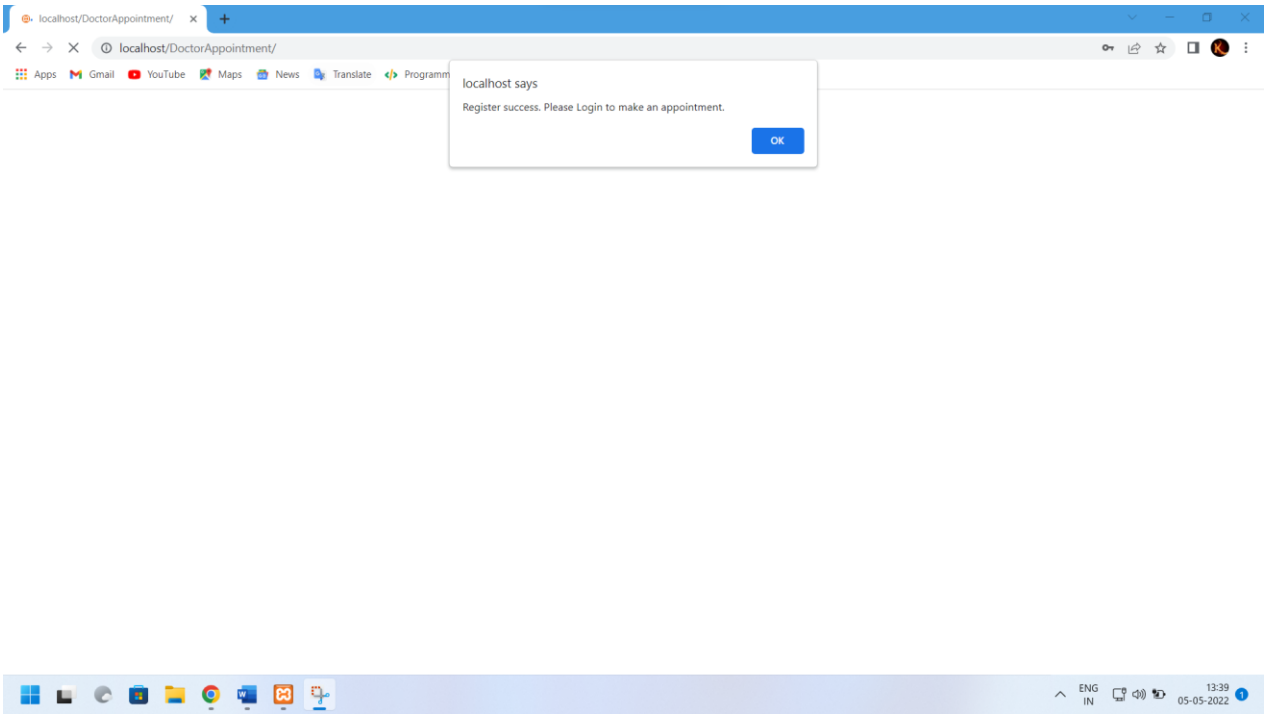
Project Database Name and their Information:

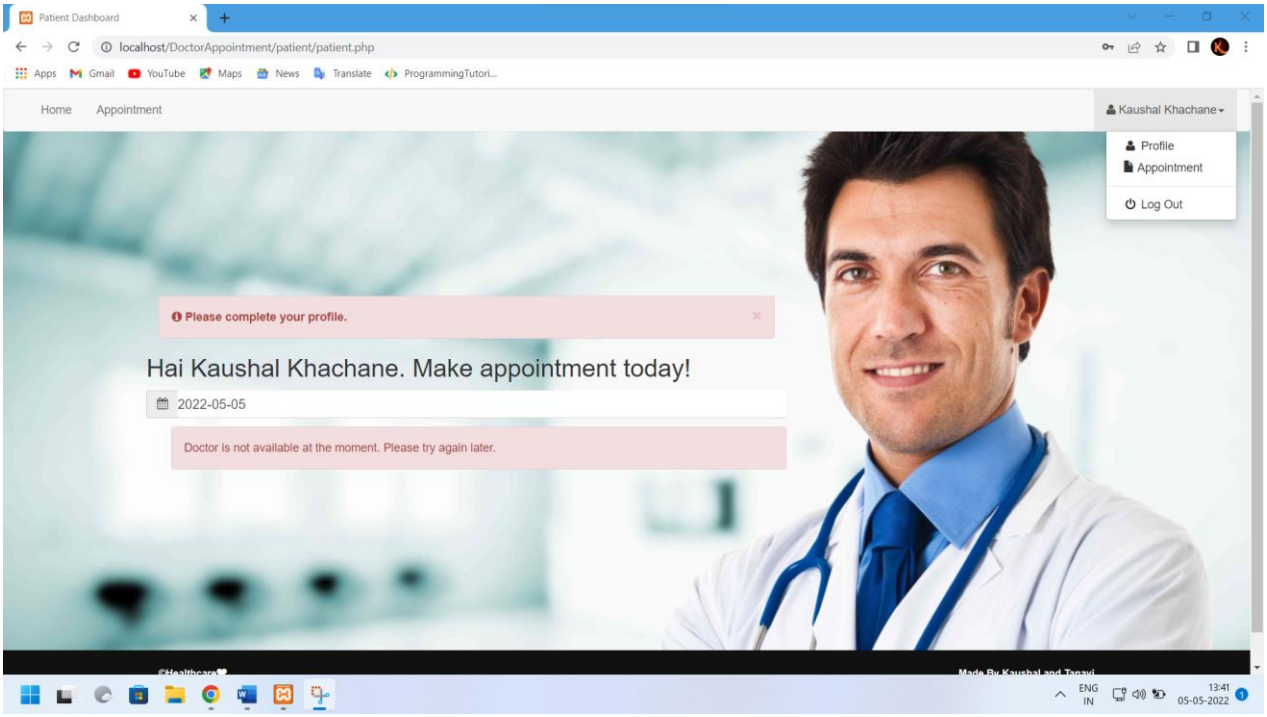
IMPLEMENTATION

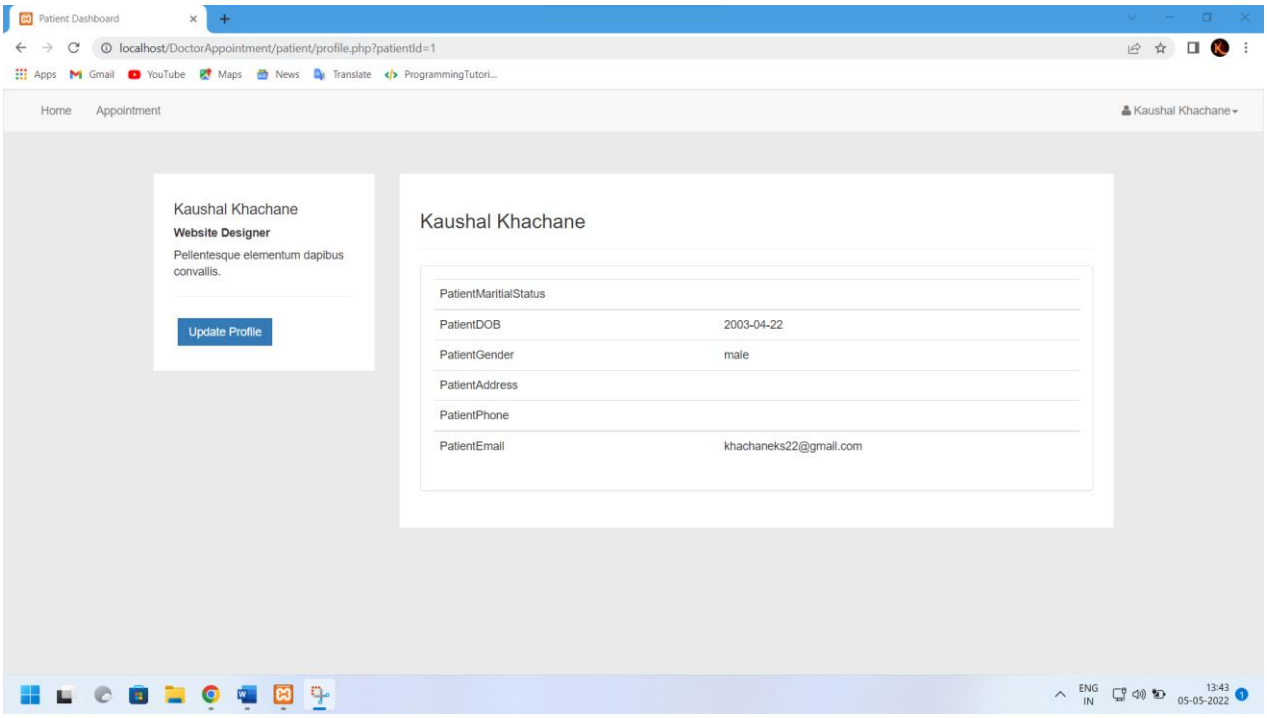
Coding Screenshots:

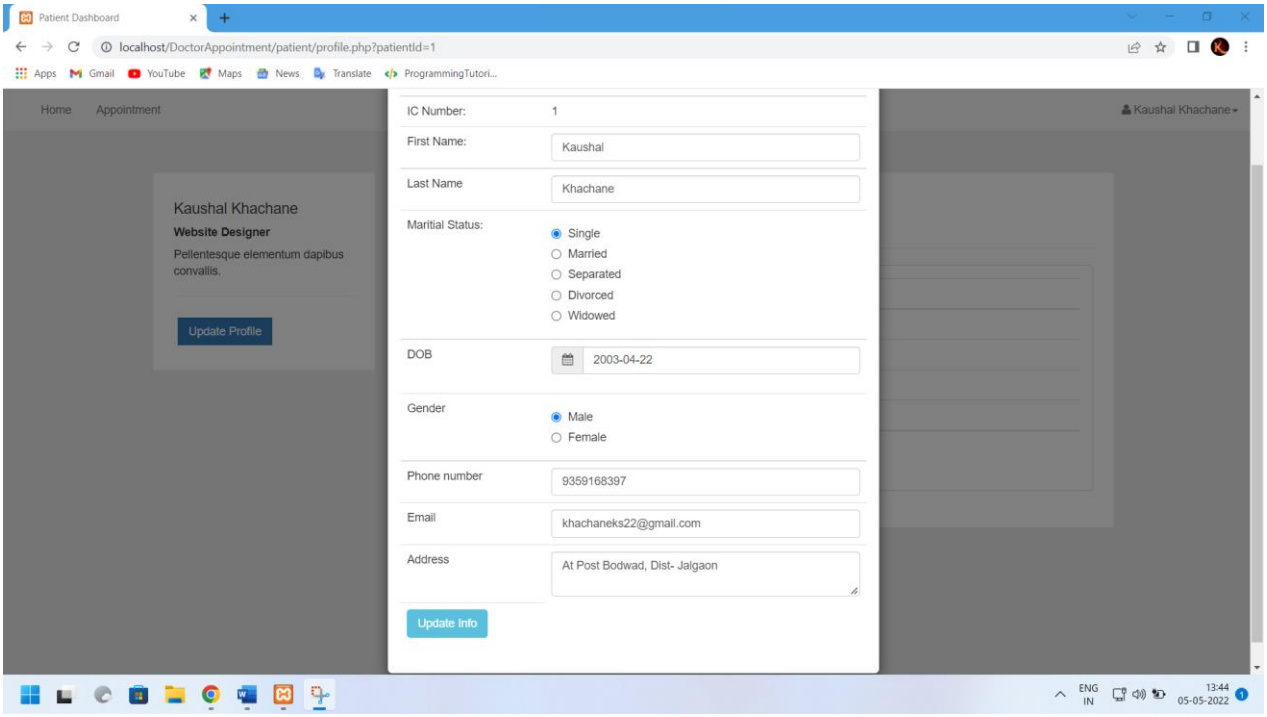


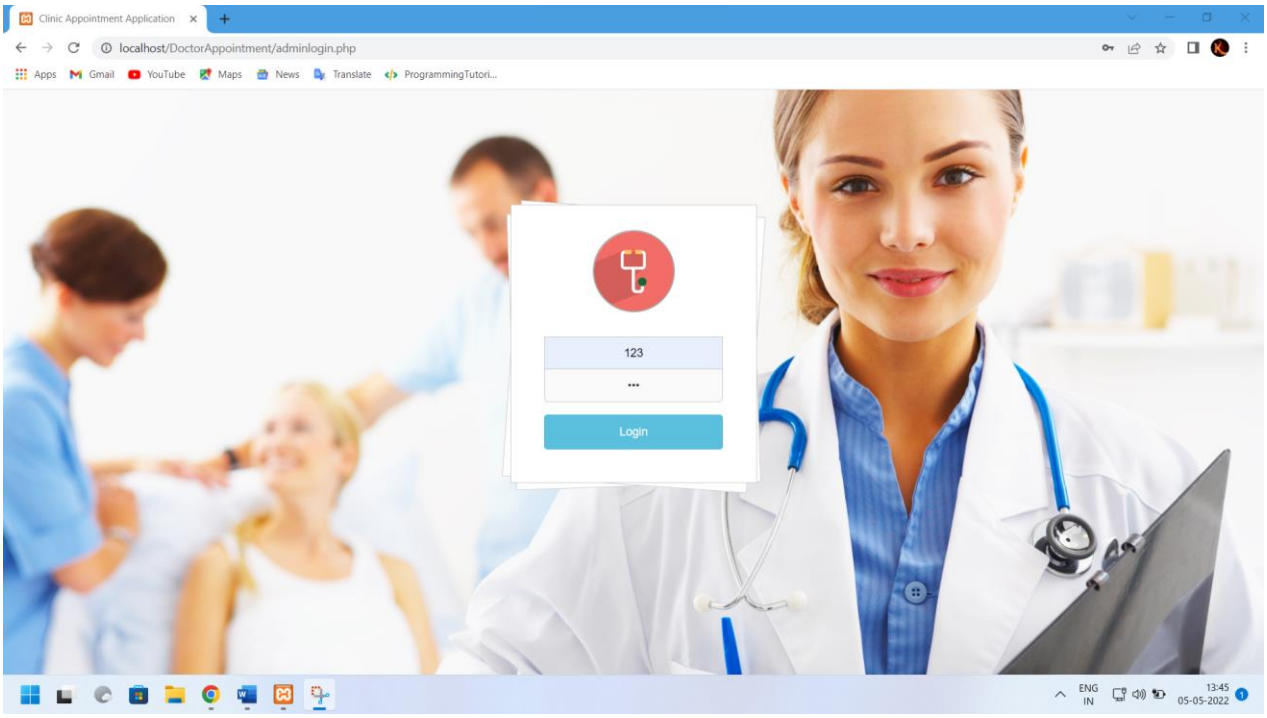

Appointment Application
localhost/DoctorAppointment/
Welcome To HealthCare Appoin
Sign Up
Already have an account?
Login
Make appoint today!
This is Doctor's Schedule. Please login to
2022-05-05
Doctor is not available at the moment. Plea
Sign Up
It's free and always will be.
Kaushal
Khachane
khachaneks22@gmail.com
1
Birth Date
Apr
22
2003
Gender Male Female
By clicking Create my account, you agree to our Terms and that you have read our Data Use Policy, including our Cookie Use.
CREATE MY ACCOUNT
©Appointment Healthcare By Tanavi and Kaushal
Admin
ENG IN
13:38
05-05-2022

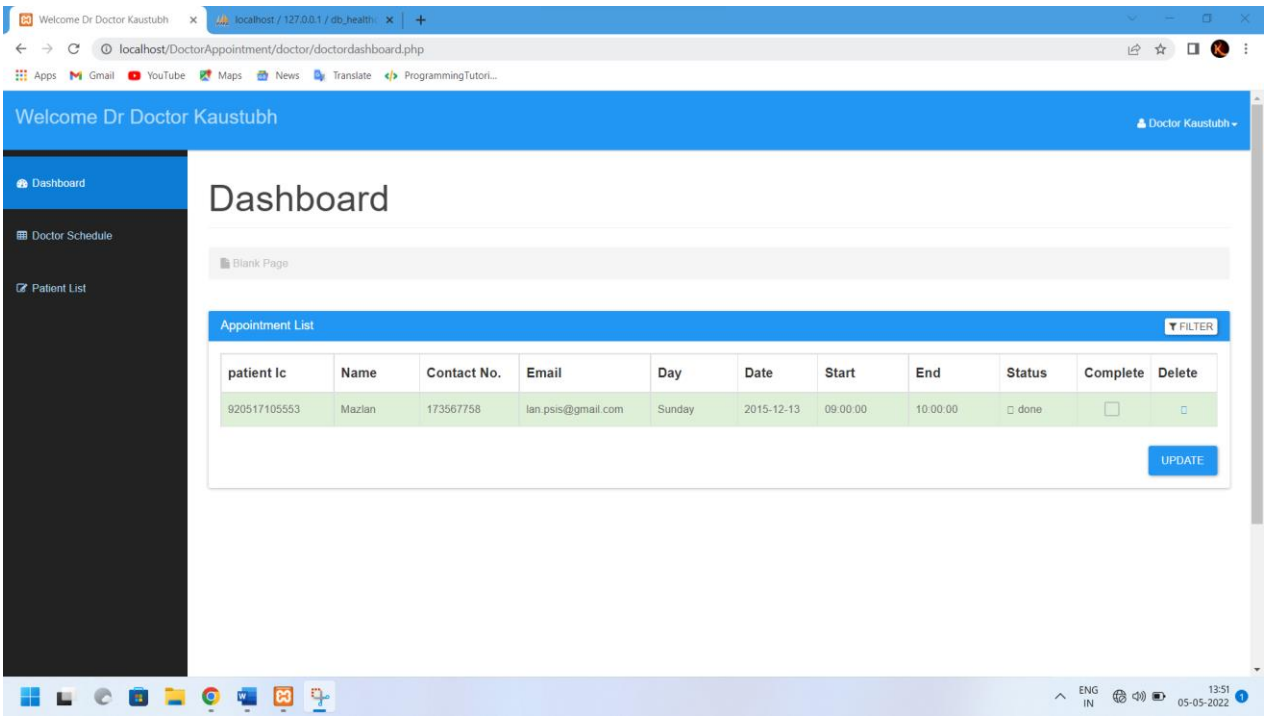

localhost/DoctorAppointment/
localhost says
Register success. Please Login to make an appointment.
OK
ENG IN
13:39
05-05-2022

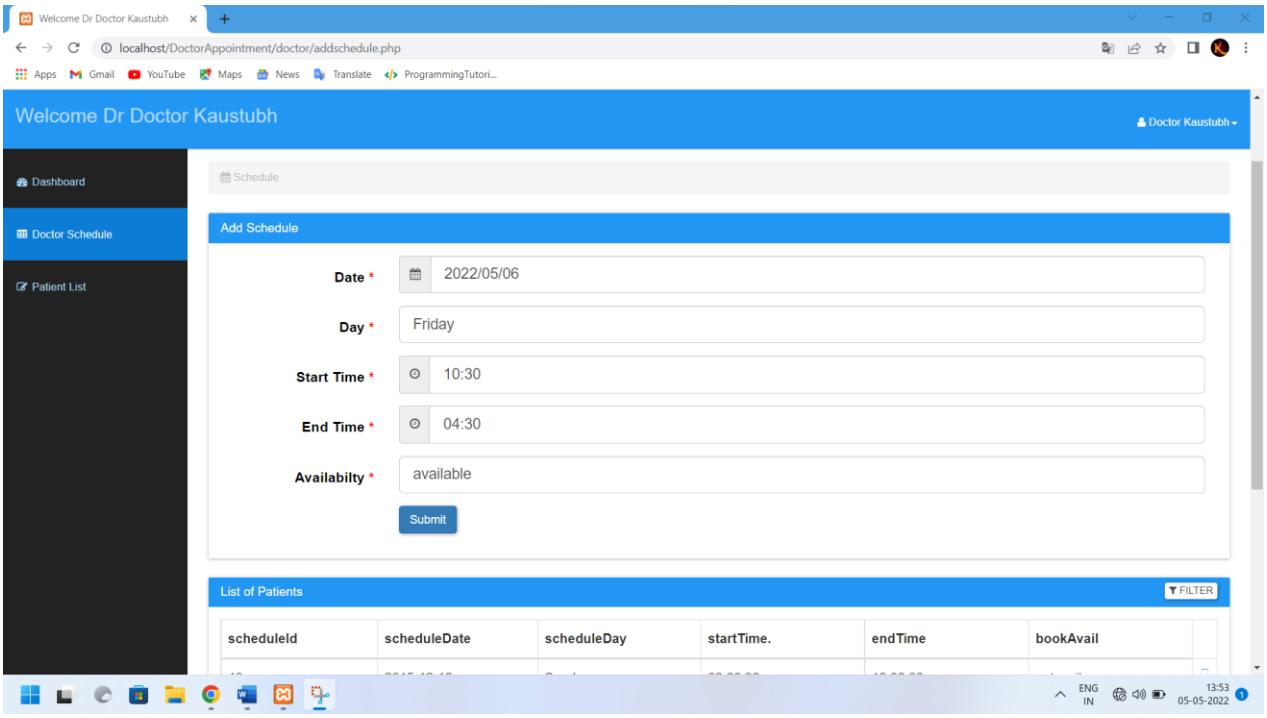

Patient Dashboard
localhost/DoctorAppointment/patient/patient.php
Apps
Gmail
YouTube
Maps
News
Translate
ProgrammingTutori...
Home
Appointment
Kaushal Khachane
Profile
Appointment
Log Out
Please complete your profile.
Hai Kaushal Khachane. Make appointment today!
2022-05-05
Doctor is not available at the moment. Please try again later.
ENG
IN
13:41
05-05-2022

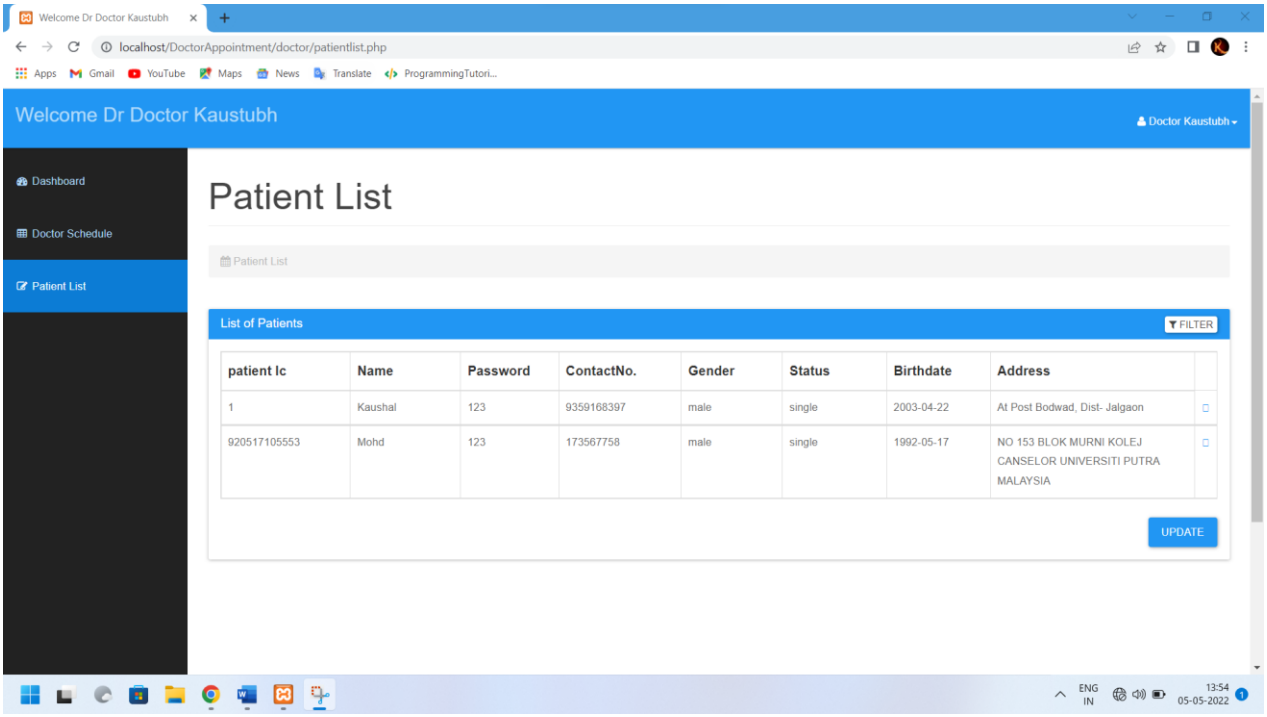

Patient Dashboard
localhost/DoctorAppointment/patient/profile.php?patientId=1
Apps
Gmail
YouTube
Maps
News
Translate
ProgrammingTutori...
Home
Appointment
Kaushal Khachane
Kaushal Khachane
Website Designer
Pellentesque elementum dapibus convallis.
Update Profile
Kaushal Khachane
PatientMaritialStatus
PatientDOB
2003-04-22
PatientGender
male
PatientAddress
PatientPhone
PatientEmail
khachaneks22@gmail.com
ENG
IN
13:43
05-05-2022

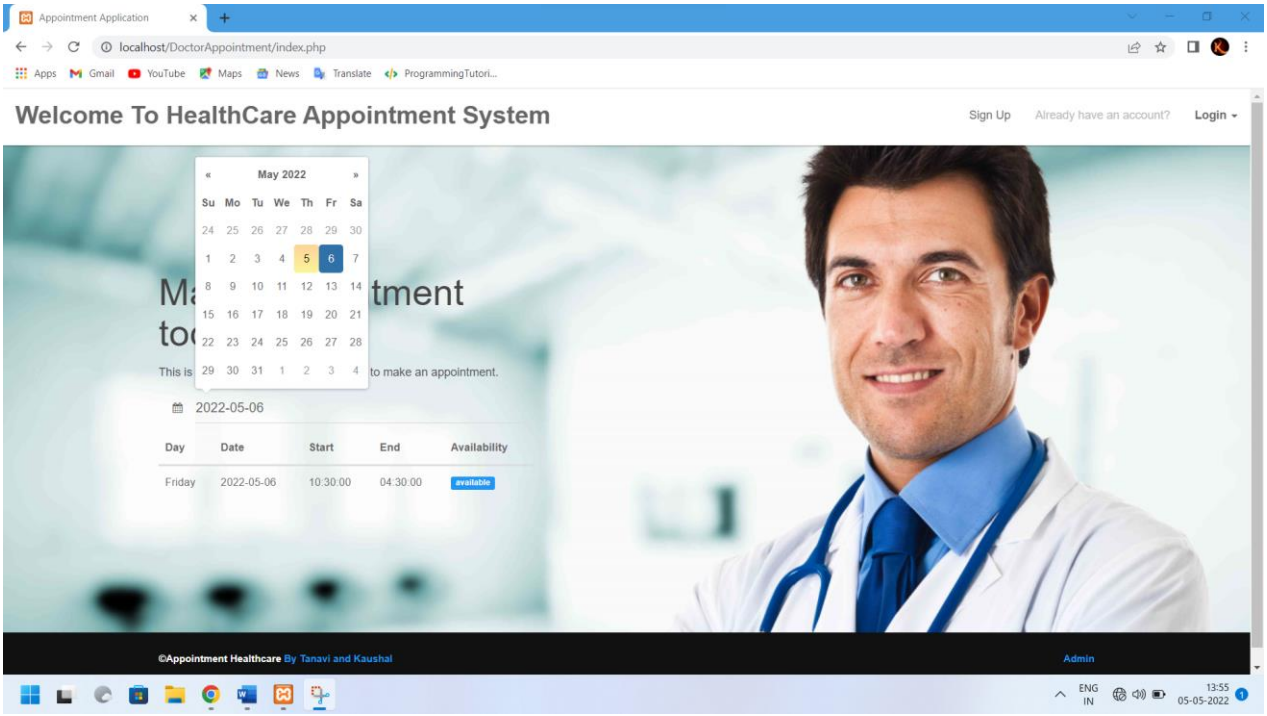

Patient Dashboard
localhost/DoctorAppointment/patient/profile.php?patientId=1
Home
Appointment
Kaushal Khachane
Kaushal Khachane
Website Designer
Pellentesque elementum dapibus convallis.
Update Profile
IC Number: 1
First Name: Kaushal
Last Name Khachane
Marital Status: Single Married Separated Divorced Widowed
DOB 2003-04-22
Gender Male Female
Phone number 9359168397
Email khachaneks22@gmail.com
Address At Post Bodwad, Dist- Jalgaon
Update info

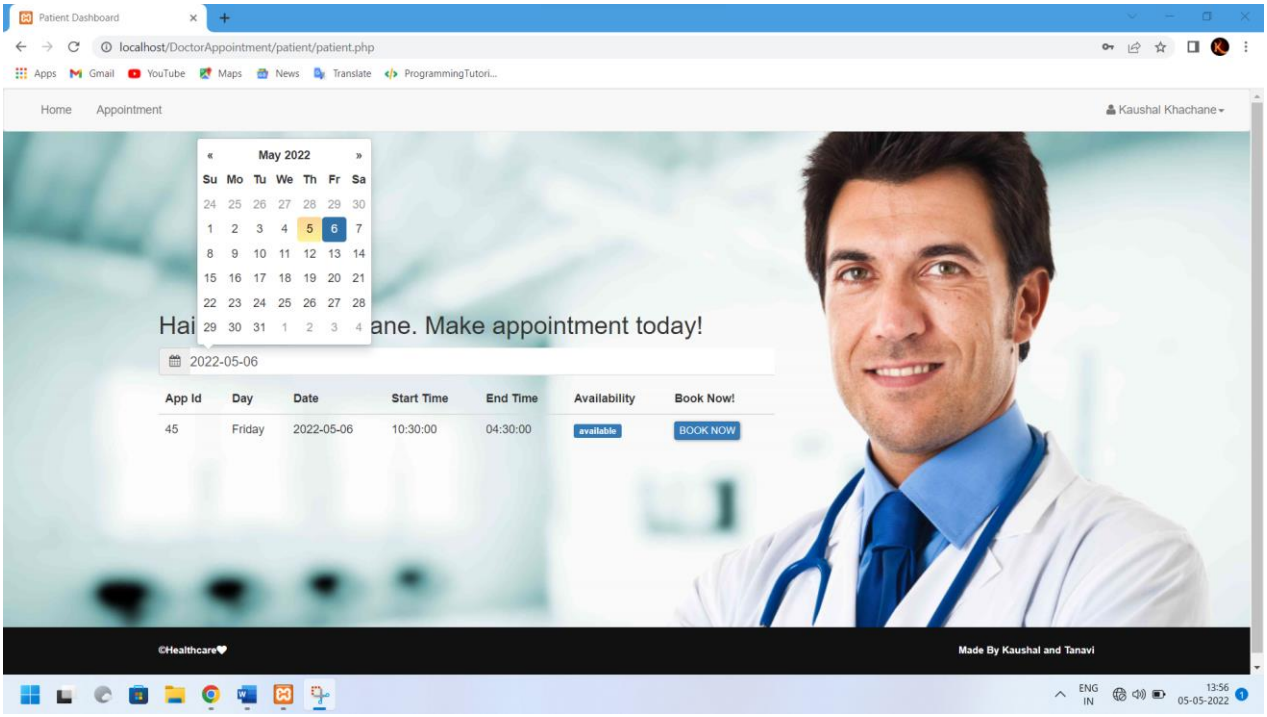

Clinic Appointment Application
localhost/DoctorAppointment/adminlogin.php
123
Login

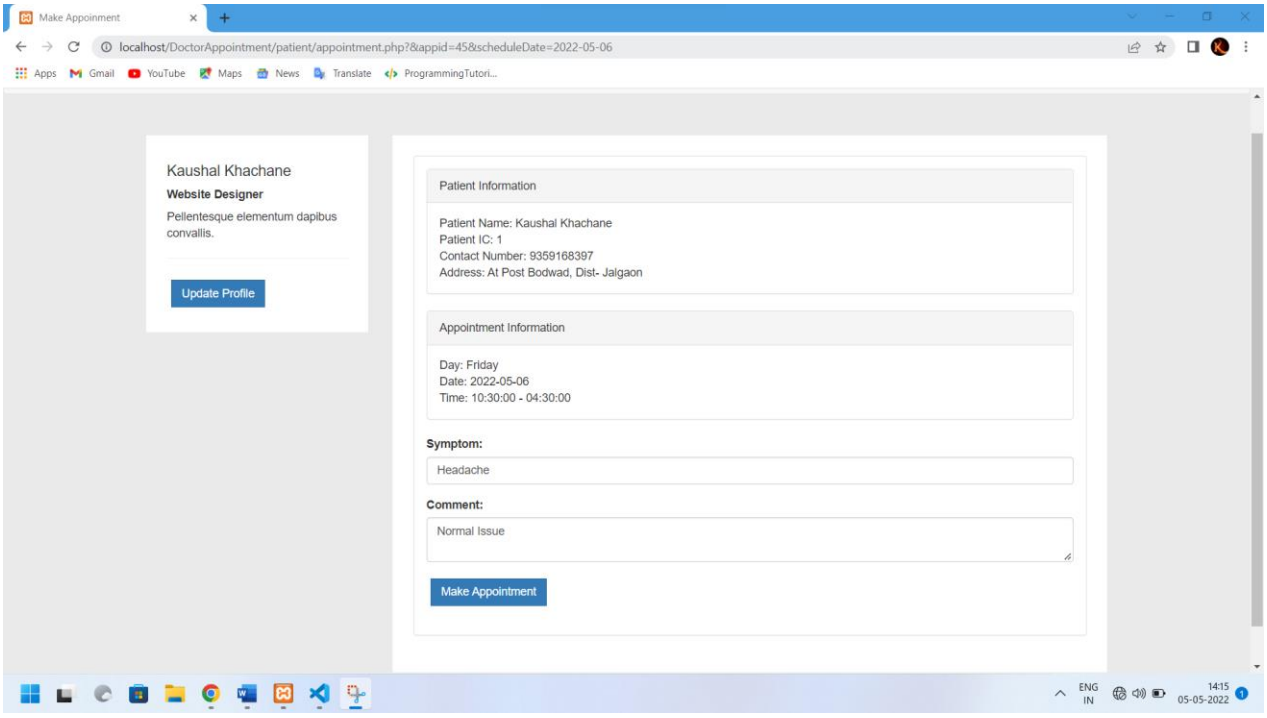

Welcome Dr Doctor Kaustubh
localhost/DoctorAppointment/doctor/doctordashboard.php
Welcome Dr Doctor Kaustubh
Doctor Kaustubh
Dashboard
Doctor Schedule
Patient List
Dashboard
Blank Page
Appointment List
FILTER
patient Ic
Name
Contact No.
Email
Day
Date
Start
End
Status
Complete
Delete
920517105553
Mazlan
173567758
lan.psis@gmail.com
Sunday
2015-12-13
09:00:00
10:00:00
done
UPDATE

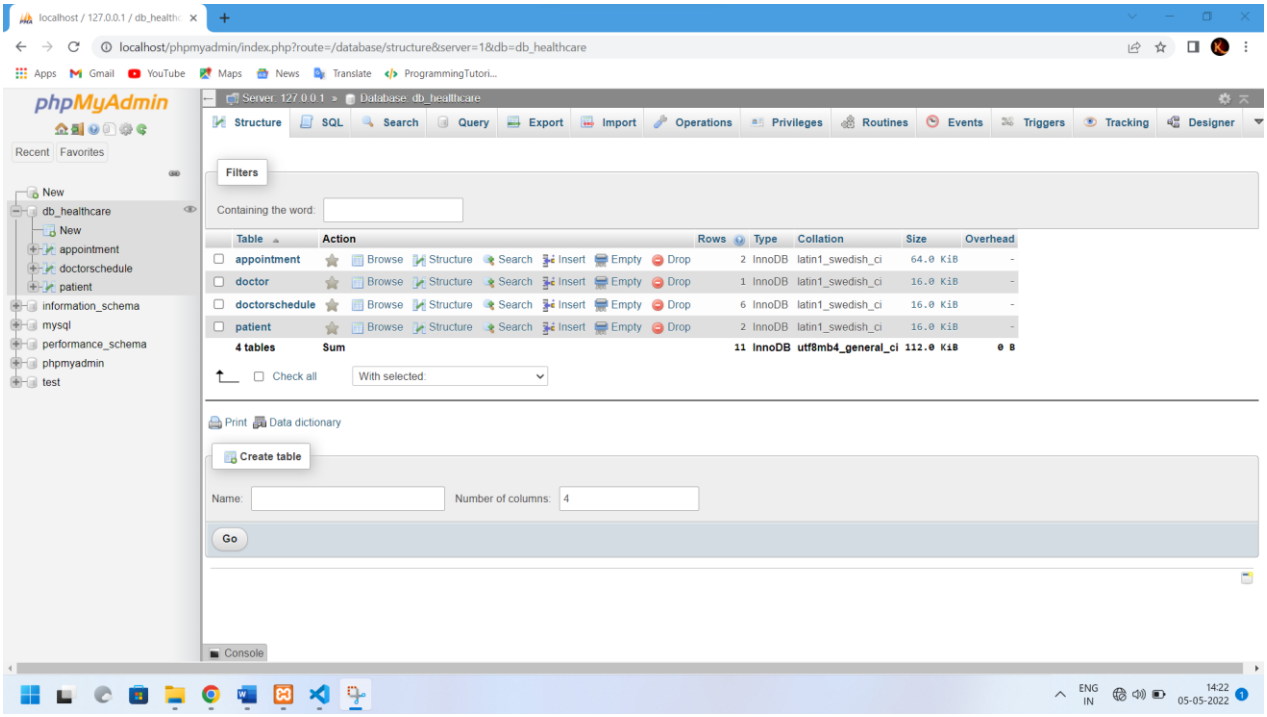

Welcome Dr Doctor Kaustubh
localhost/DoctorAppointment/doctor/addschedule.php
Welcome Dr Doctor Kaustubh
Doctor Kaustubh
Dashboard
Doctor Schedule
Patient List
Schedule
Add Schedule
Date *
2022/05/06
Day *
Friday
Start Time *
10:30
End Time *
04:30
Availabilty *
available
Submit
List of Patients
FILTER
scheduleId
scheduleDate
scheduleDay
startTime.
endTime
bookAvail

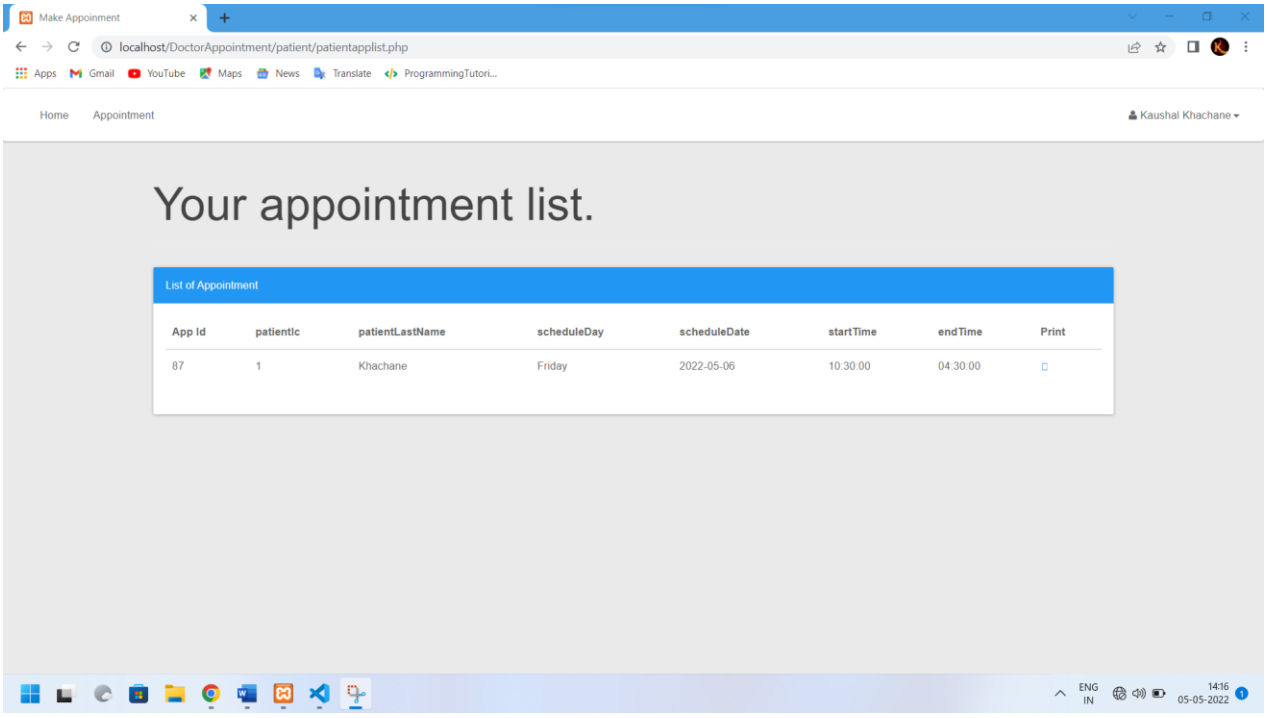

Welcome Dr Doctor Kaustubh
localhost/DoctorAppointment/doctor/patientlist.php
Welcome Dr Doctor Kaustubh
Doctor Kaustubh
Dashboard
Doctor Schedule
Patient List
Patient List
Patient List
List of Patients
FILTER
patient Ic
Name
Password
ContactNo.
Gender
Status
Birthdate
Address
1
Kaushal
123
9359168397
male
single
2003-04-22
At Post Bodwad, Dist- Jalgaon
920517105553
Mohd
123
173567758
male
single
1992-05-17
NO 153 BLOK MURNI KOLEJ CANSELOR UNIVERSITI PUTRA MALAYSIA
UPDATE

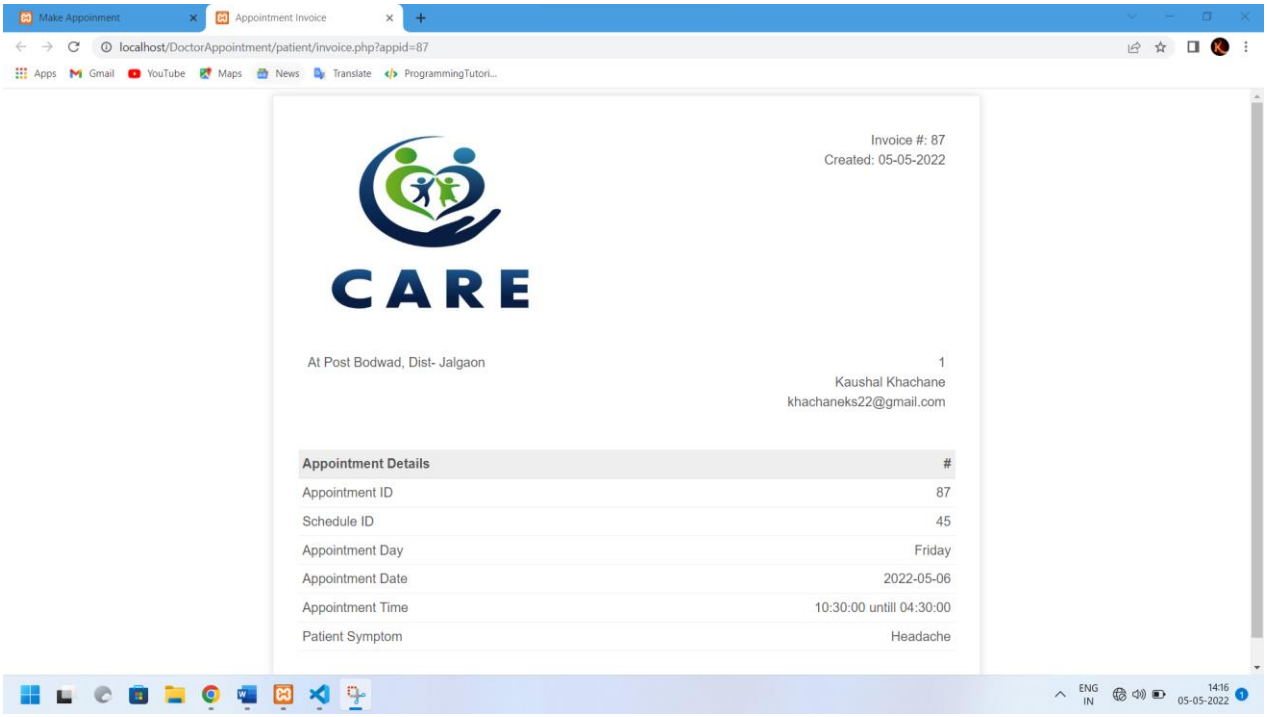

Appointment Application
localhost/DoctorAppointment/index.php
Welcome To HealthCare Appointment System
Sign Up
Already have an account?
Login
May 2022
Su Mo Tu We Th Fr Sa
to make an appointment.
2022-05-06
Day
Date
Start
End
Availability
Friday
2022-05-06
10:30:00
04:30:00
available
©Appointment Healthcare By Tanavi and Kaushal
Admin

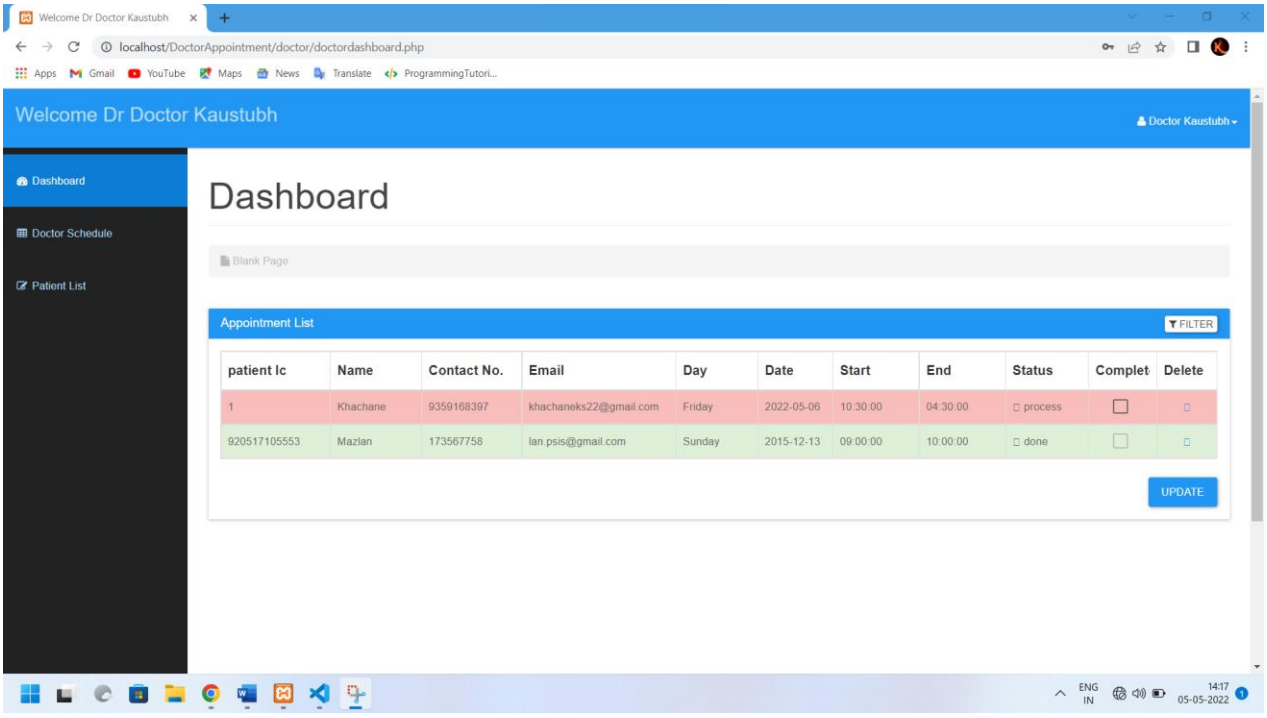

Patient Dashboard
localhost/DoctorAppointment/patient/patient.php
Home
Appointment
Kaushal Khachane
May 2022
Su Mo Tu We Th Fr Sa
2022-05-06
App Id
Day
Date
Start Time
End Time
Availability
Book Now!
45
Friday
2022-05-06
10:30:00
04:30:00
available
BOOK NOW
©Healthcare
Made By Kaushal and Tanavi

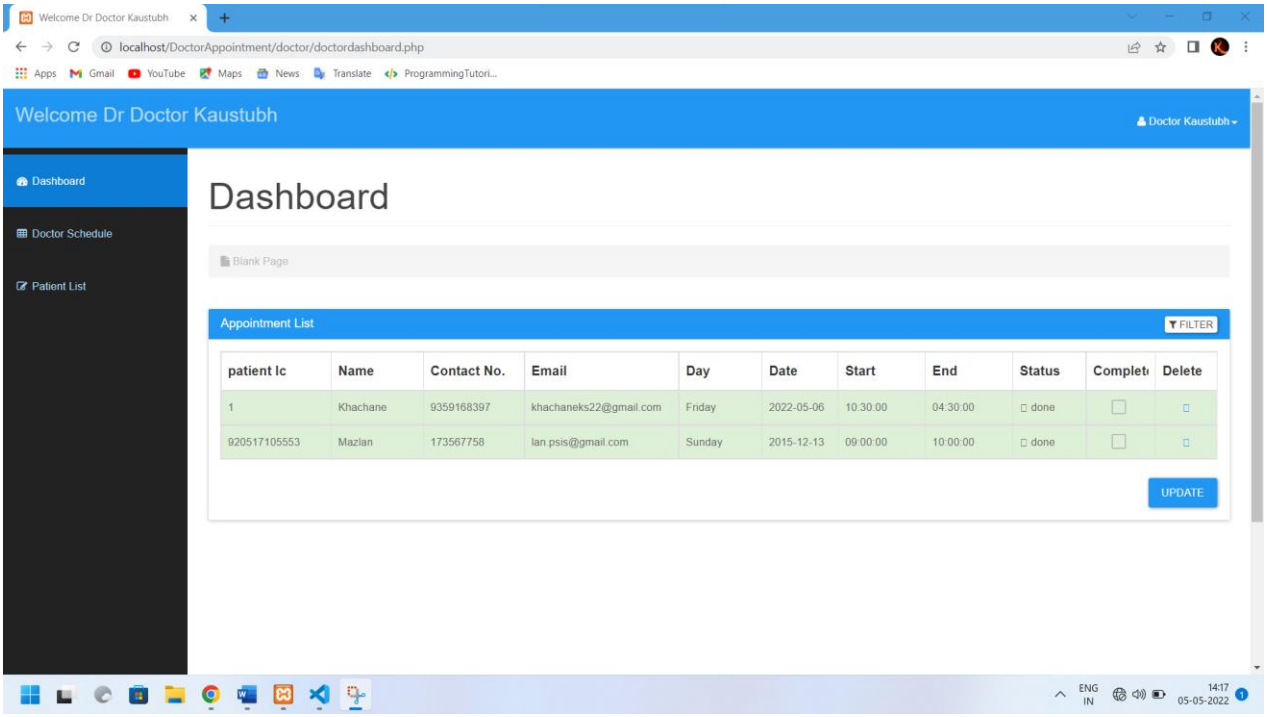

Make Appoinment
localhost/DoctorAppointment/patient/appointment.php?&appid=45&scheduleDate=2022-05-06
Kaushal Khachane
Website Designer
Pellentesque elementum dapibus convallis.
Update Profile
Patient Information
Patient Name: Kaushal Khachane
Patient IC: 1
Contact Number: 9359168397
Address: At Post Bodwad, Dist- Jalgaon
Appointment Information
Day: Friday
Date: 2022-05-06
Time: 10:30:00 - 04:30:00
Symptom:
Headache
Comment:
Normal Issue
Make Appointment

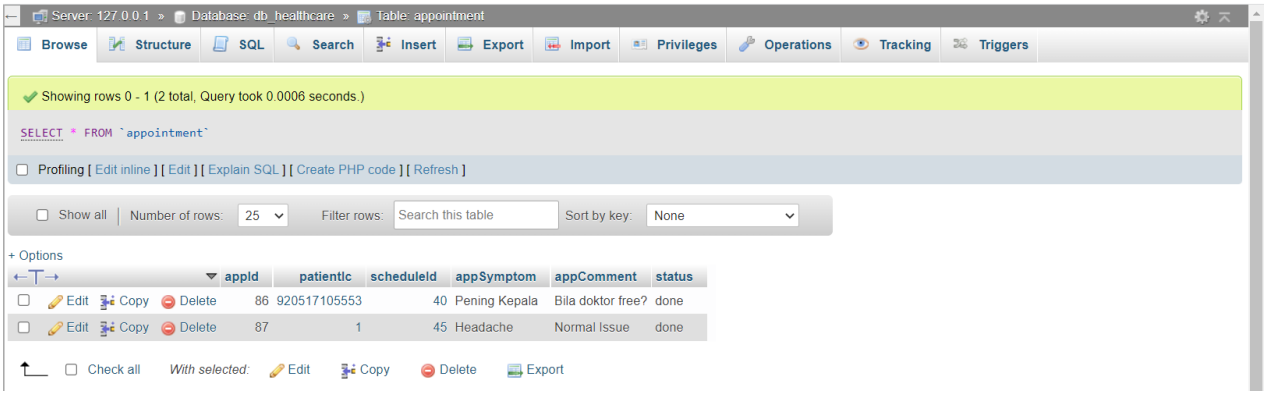

localhost / 127.0.0.1 / db_health
localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=db_healthcare
phpMyAdmin
Recent
Favorites
New
db_healthcare
New
appointment
doctorschedule
patient
information_schema
mysql
performance_schema
phpmyadmin
test
Server: 127.0.0.1 » Database: db_healthcare
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
Tracking
Designer
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
appointment Browse Structure Search Insert Empty Drop 2 InnoDB latin1_swedish_ci 64.0 KiB -
doctor Browse Structure Search Insert Empty Drop 1 InnoDB latin1_swedish_ci 16.0 KiB -
doctorschedule Browse Structure Search Insert Empty Drop 6 InnoDB latin1_swedish_ci 16.0 KiB -
patient Browse Structure Search Insert Empty Drop 2 InnoDB latin1_swedish_ci 16.0 KiB -
4 tables Sum 11 InnoDB utf8mb4_general_ci 112.0 KiB 0 B
Check all
With selected:
Print
Data dictionary
Create table
Name:
Number of columns: 4
Go
Console
ENG
IN
14:22
05-05-2022

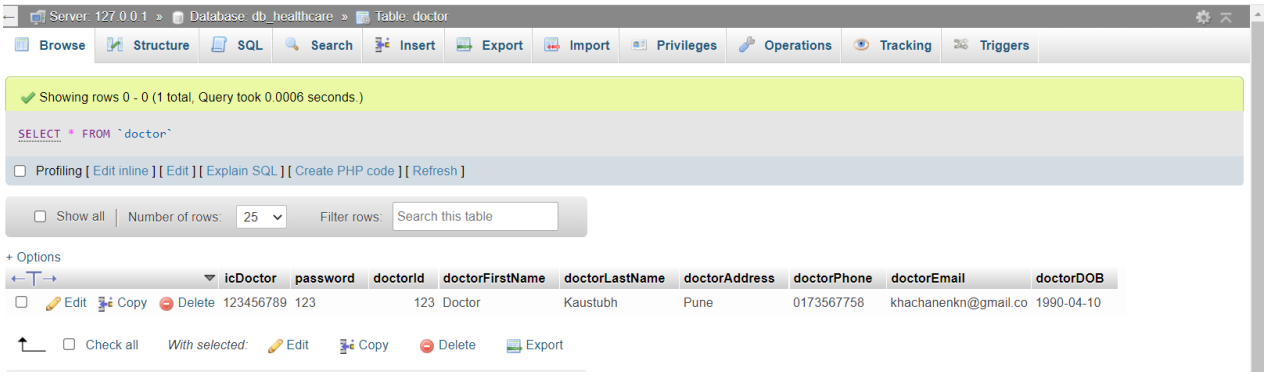

Make Appoinment
localhost/DoctorAppointment/patient/patientapplist.php
Home
Appointment
Kaushal Khachane
Your appointment list.
List of Appointment
App Id
patientIc
patientLastName
scheduleDay
scheduleDate
startTime
endTime
Print
87
1
Khachane
Friday
2022-05-06
10:30:00
04:30:00
ENG
IN
14:16
05-05-2022

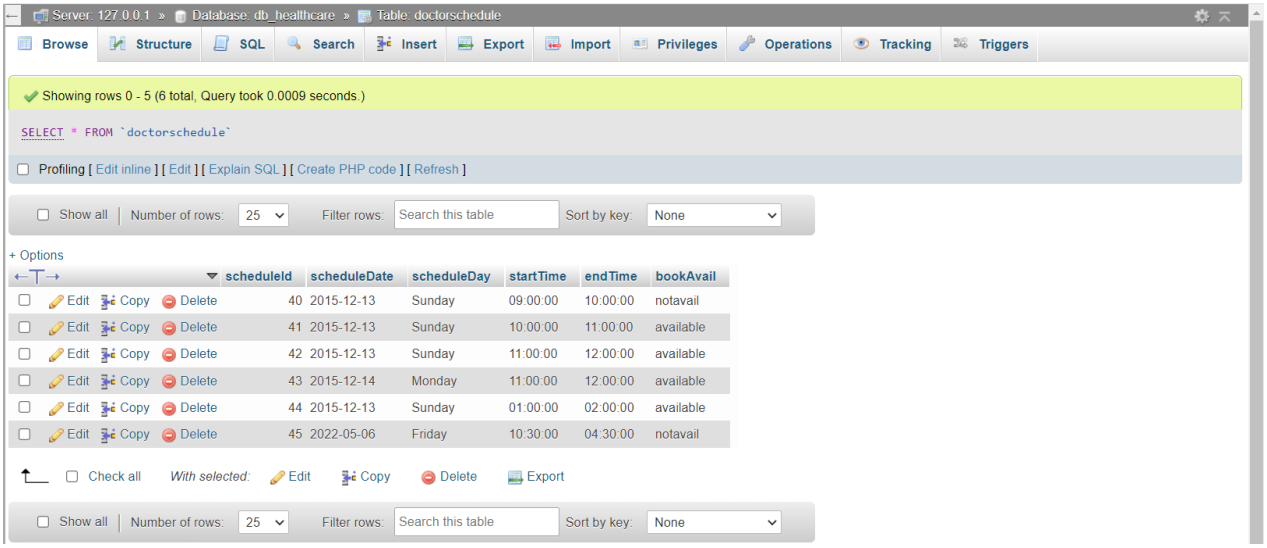

Make Appointment
Appointment Invoice
localhost/DoctorAppointment/patient/invoice.php?appid=87
Apps Gmail YouTube Maps News Translate ProgrammingTutori...
Invoice #: 87
Created: 05-05-2022
CARE
At Post Bodwad, Dist- Jalgaon
1
Kaushal Khachane
khachaneks22@gmail.com
Appointment Details #
Appointment ID 87
Schedule ID 45
Appointment Day Friday
Appointment Date 2022-05-06
Appointment Time 10:30:00 untill 04:30:00
Patient Symptom Headache

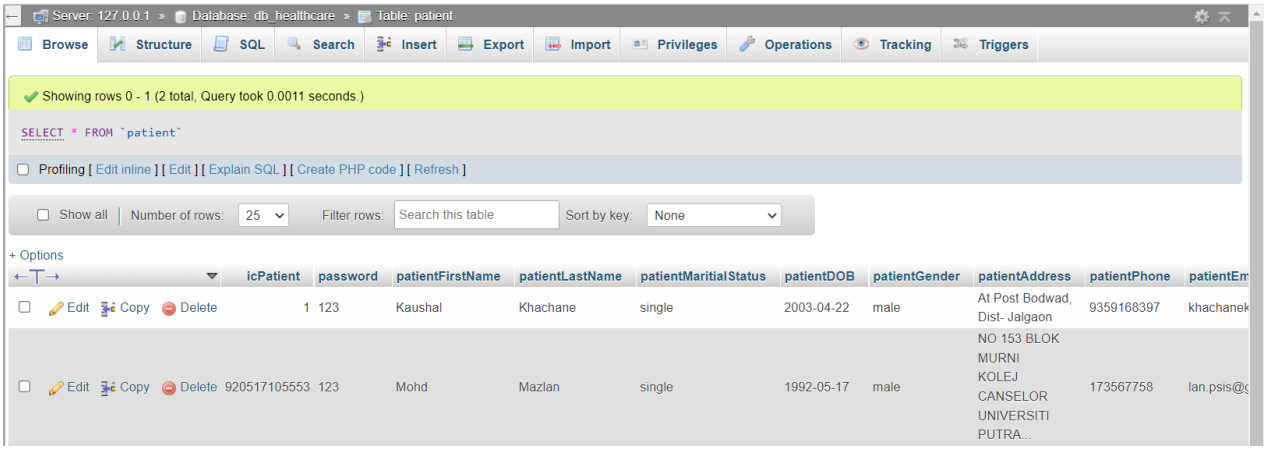

Welcome Dr Doctor Kaustubh
localhost/DoctorAppointment/doctor/doctordashboard.php
Apps Gmail YouTube Maps News Translate ProgrammingTutori...
Welcome Dr Doctor Kaustubh
Doctor Kaustubh
Dashboard
Doctor Schedule
Patient List
Dashboard
Blank Page
Appointment List
FILTER
patient Ic Name Contact No. Email Day Date Start End Status Complet Delete
1 Khachane 9359168397 khachaneks22@gmail.com Friday 2022-05-06 10:30:00 04:30:00 process
920517105553 Mazlan 173567758 lan.psis@gmail.com Sunday 2015-12-13 09:00:00 10:00:00 done
UPDATE


Welcome Dr Doctor Kaustubh
localhost/DoctorAppointment/doctor/doctordashboard.php
Welcome Dr Doctor Kaustubh
Doctor Kaustubh
Dashboard
Doctor Schedule
Patient List
Dashboard
Blank Page
Appointment List
FILTER
patient Ic
Name
Contact No.
Email
Day
Date
Start
End
Status
Complet
Delete
1
Khachane
9359168397
khachaneks22@gmail.com
Friday
2022-05-06
10:30:00
04:30:00
done
920517105553
Mazlan
173567758
lan.psis@gmail.com
Sunday
2015-12-13
09:00:00
10:00:00
done
UPDATE
ENG
IN
14:17
05-05-2022


Server: 127.0.0.1 » Database: db_healthcare » Table: appointment
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)
SELECT * FROM `appointment`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
appId
patientIc
scheduleId
appSymptom
appComment
status
Edit
Copy
Delete
86
920517105553
40
Pening Kepala
Bila doktor free?
done
87
1
45
Headache
Normal Issue
done
Check all
With selected:
Edit
Copy
Delete
Export


Server: 127.0.0.1 » Database: db_healthcare » Table: doctor
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)
SELECT * FROM `doctor`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
+ Options
icDoctor
password
doctorId
doctorFirstName
doctorLastName
doctorAddress
doctorPhone
doctorEmail
doctorDOB
Edit
Copy
Delete
123456789
123
123
Doctor
Kaustubh
Pune
0173567758
khachanenkn@gmail.co
1990-04-10
Check all
With selected:
Edit
Copy
Delete
Export





Advantages and Disadvantages

Advantages :

- Track and improve hospitalize practices.
- Ensure authentic & accurate results.
- Boost the response rates.
- Online Scheduling System operates 24/7.
- Cut your time.
- Manage the entire process.

- Enhance the staff.
- Meet web standards.
- Online patient scheduling helps fill appointment gaps.
- Online scheduling could help staff provide a better experience for patient.
- Always on Service.
- Improved Insight Saving Money, Time and Paper.
- User friendly.
- Ease of use.

Disadvantages

- Lack of accreditation.
- It may appear less personal to doctors than handwritten paper works.
- It's Impersonal.
- You will synchronize calendars.
- It's requiring reliable Internet access.
- It can be waste.
- It can turn against compounder.

CONCLUSION

This project has been developed in such a manner, that the future requirements of the user are met. The project is flexible to adapt the changes efficiently without affecting the present system. In future, there can be a provision to adjust the healthcare system through the portal. It is also planned to implement the app on various other mobile platforms like Windows and IOS. This is the future scope of this project.

REFERENCES

- https://www.tutorialspoint.com/php/index.html
- https://www.javatpoint.com/php-tutorial
- https://www.php.net/
- https://www.w3schools.com/php/DEFAULT.asp