

Government Polytechnic, Nashik

(An Autonomous Institute of Government of Maharashtra)

New building campus, Samangoan road, Nashik Road



A PROJECT ON

“WECARE - ONLINE CONSULTATION”

Submitted in partial fulfilment of the requirements

For Diploma in Computer Technology

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Submitted To:

Government Polytechnic, Nashik

For academic Year

2021-2022

Government Polytechnic, Nashik

(An Autonomous Institute of Government of Maharashtra)

New building campus, Samangoan road, Nashik Road



CERTIFICATE

This is to certify that, the project report on **“WeCare – Online Consultation”** has been successfully completed by

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ACKNOWLEDGMENT

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ABSTRACT

People have been especially concerned about their safety throughout the covid-19 outbreak and have avoided crowded areas such as hospitals. This scenario can be alleviated with the use of online consult web-based technology. This study describes an online consultation system that enables doctors, hospitals, and patients collaborate more effectively.

The method enables doctors to treat patients in outlying places. Both doctors and patients can communicate via video calls or Gmail using the technology. Patients can use the system to record health information, search for doctors, and communicate with medical specialists via email and video calls. Doctors can also register to help patients, but they must do so to establish their validity. Doctors in the appropriate departments can be assigned by hospitals. The technology is put through its paces in a lab setting. The system is fast and dependable, with a user-friendly interface, increasing telemedicine services for anyone who have internet connection across the country.

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Chapter-1. Introduction

Introduction

1.1 Problem Definition:

As we all know, health is the most important aspect of everyone's life, and as technology advances, our health suffers as a result. For example, most tiny children are diagnosed with vision problems at an early age. We should also take care of our health in this changing society, as we all know that "health is wealth." let us now explain our problem statement to you. Most of the time, when we become unwell, we are unable to go to a doctor's clinic and wait for our number to be called, at which point the doctor will assist us. To address this issue, we are developing a doctor and patient interface, which is a website where a patient may schedule an appointment at a specific time for online or offline doctor consultation and patients can use zoom to consult with a doctor and make payments to the doctor online, as well as we are raising awareness about physical and mental health.

1.2 Existing system of synopsis:

For online doctor consultation and appointment there are lot of existing systems are available. This recommendation system is not performed work automatically. They all are manually work.

Problems faced by doctors: Technology is a solution, but it also presents a challenge. Though the millennial age is quick to adapt new technologies, the elder generation is the one that has to be tech-savvy when it comes to healthcare. This is where the difficulty arises. When it comes to dealing with their medical difficulties, this generation is hesitant to go digital. This causes a lot of work-related turmoil in a doctor's psyche.

Receptionist cheating: about half of doctors believe their receptionist overcharges unwitting patients and pockets the difference. The patient believes that the doctor's price is excessively costly, giving the doctor a bad reputation. There are also situations when patients do not have full payment and ask to pay later. And even when they do pay, the money frequently does not reach the doctors. This leads to a lack of trust between the doctor and the patients.

Vendor overcharging: as many as 90% of doctors claim that their suppliers overpay them. They raise the price of even common things without warning, and doctors don't have the time to verify past invoices for the same item. As a result, they pay whatever the invoice amount is.

Problems with bill management and collection: fifty percent of the doctors we spoke with claimed that tallying the daily collection with the reception takes up a lot of their time. Frequently, there is a slight human error that causes the amount to be off. Furthermore, when patients pay in installments, doctors are unable to keep track of this. The doctors lose money as well as valuable time as a result of this.

Managing key item inventory: as many as 90% of doctors said it's difficult to trace the consumption pattern of minor things like neofolk, syringes, and sterile water. These things are frequently utilized, and therefore are frequently 'out of stock' and ordered. The inventory of vaccines presents a comparable difficulty. The doctors suspect that the support personnel is engaging in some unethical behavior

Maintaining records: if a doctor wants to keep track of everything, he or she must do so manually, which is time-consuming. All bills must be kept in a safe place. This takes up a lot of room and causes a slew of other issues.

1.3 Proposed system of synopsis:

All manual processes have been automated by this system to provide a true online doctor solution system for meeting with online doctors. Patients must complete an online form, after which an id and password will be generated and emailed to them, and following acceptance of the data, they will be automatic logged into the patient panel. Patients can choose their doctors and schedule appointments with them on their own time and from their location using this panel. After the appointment, patients will receive all of their reports and medical prescriptions in their mailbox through notice. There is no need for cash, and the required costs can be paid using their account, debit card, or credit card through a secure payment portal.

Chapter-2. Literature Survey

2.1. Literature Review:

According to a study, the Online Booking Doctor's Consultation Time method provides a number of benefits, one of which is the ability to save time for patients. They can arrange an appointment with a doctor online instead of going to the hospital or clinic and waiting in line to register, then waiting in line again to consult with a doctor following the registration. Some of them have to wait for the nurse or other workers to bring their medicine to them.

This waiting process is clearly inconvenient for them and time-consuming. The goal of the review of the literature is to provide an overview of study themes linked to patient perceptions and feelings about how doctors are currently scheduled. Waiting in a doctor's reception area is a typical occurrence. In general, patients first must visit the hospital or clinic then register at the front desk. They must then wait for the doctor to consult them when he is available. How long would the patient have to wait if the clinic or hospital is overcrowded? Is it longer than 20 minutes? It's inhumane to see patients who are already unwell have to wait so long to see a doctor.

2.1.1 Waiting time:

Waiting time is a period of time spent waiting for a specific activity to occur after it has been asked or ordered. The length of time a patient has waited in the clinic before being seen by a member of the staff is known as waiting time. The time it takes for a patient to be seen is an essential indicator of the hospital's service quality. The amount of time a person spends waiting to be seen is one element that influences their usage of healthcare services. Long wait times are seen by patients as a barrier to accessing services properly. Allowing patients to wait needlessly can indeed be stressful for both the patient and the doctor. Patients should arrive within 30 minutes of their scheduled appointment time, according to the Institute of Medicine (IOM). However, most clinics and hospitals in other countries, such as Malaysia, do not reach this goal. The length of time spent waiting varies by country, and even within a country, it varies by location.

2.1.2 Appointment Delay:

The longer the interval between a patient's request for an appointment and the actual appointment date, the more likely he or she may cancel or not show up. According to a study conducted by, 31% of the 5901 samples cancelled or did not show up for their doctor's visit. These appointments are often arranged a few days after the appointment is made. As a result, the approach is to invite them to come immediately away or make appointment requests for the day they wish to be seen.

2.1.3 Waiting for registration: The clinic and hospital both offer a counter where patients can register before meeting with a doctor. The goal of this stage is for people to line up for a consultation and wait their time. It is for this reason that many patients have been waiting for a long time to register at the counter to see a doctor. To eliminate extended wait times, the registration process must be quick and straightforward. The excessive wait time is due to large lines at the registration counter, which is run by a single employee who is also in charge of scheduling appointments for patients. Implementing an online booking system is the solution to this problem. This can save money by reducing patient wait times and reducing the expense of hiring extra people to run the registration counter.

2.1.4 Earlier Arrival:

Even if they patients already scheduled a consultation with the doctor, the majority of patients arrive earlier. This is most common among those who require additional consultation. Scheduling is critical for ensuring a smooth and quick consultation process and reducing wait times. Patients who had an appointment and arrived on time had a shorter wait time than those who did not have an appointment. A more dependable scheduling strategy, such as arranging appointments following the scheduled consultation period, can also lengthen wait times. As a result, an online appointment booking system with a scheduling function is required, which can drastically minimize patient wait times.

2.2 How the Online Booking System can help.

Patients' waiting times can be cut in half with the use of an online booking doctor's consultation time method. Patients can choose their preferred time for a consultation with a doctor and book it using the suggested method. This can cut down on the time it takes to register at the counter. As a result, individuals who require a follow-up consultation can schedule an appointment for a later date. Patients who require a speedier consultation with a doctor, such as those suffering from a fever, should look for the nearest doctor's available time, schedule that slot, and arrive on time to prevent long wait times. Registration at the counter usually has two purposes. One is to queue, and another is to see if the patient has had any previous consultations at that clinic or hospital. Because all of the relevant patient information is stored in their profile, using the booking system helps speed up the registration process. When patients schedule a consultation, the doctor has access to their medical records. As a result, when patients arrive at the clinic, they can go straight to the doctor's office without having to wait for registration. Aside from that, online appointment booking is ideal for people who don't have a lot of spare time, especially working adults, because

it allows a patient to schedule an appointment whenever he or she is free and convenient. This is useful for those who need to schedule a consultation for a follow-up check-up. That means they can do it after business hours, on weekends, or whenever it is most convenient for them.

The time slots accessible to patients will be displayed on the online booking doctor consultation system. It saves time, is transparent, and allows patients to feel more informed and in charge. Furthermore, the adoption of an online appointment booking system helps lower no-show rates because the technology allows patients to confirm, cancel, and reschedule appointments at their leisure. Some people will show up for their appointments without warning, wasting both the doctor's and the other patients' time. They can reserve a time slot for individuals who are truly in need.

2.3 Similar systems:

Similar systems such as TeLeMe are examined in this part to support the idea of adopting the suggested online doctor consultation system. TeLeMe is an existing online system for scheduling doctor consultations. Patients can consult via online video or messenger call, as opposed to the suggested approach. The suggested method focuses on scheduling doctor consultations and allowing patients to meet with the doctor during that time. TeLeMe, on the other hand, concentrates on the full consultation via video call/voice chat. Even though TeLeMe includes all of the necessary security measures, the system suggested here prioritizes the privacy and security of patients' data

Chapter-3. Software Requirements Specification

3.1 Operating Environment:

3.1.1 Hardware Requirements:

- I. Intel Core i3 or higher
- II. 4 GB RAM or higher
- III. Keyboard
- IV. Mouse
- V. Laptop
- VI. Desktop
- VII. Android SmartPhone

3.2 Design and implementation constraints:

There are a few constraints of the system:

1. The design should be user-friendly.
2. There should be separate login for the patient and the doctor i.e separate login, signup, and sign-in page.
3. The patient should select the proper disease he/she is suffering from so that doctor can give proper treatment to him in the online consultation.
4. The patient can fix his appointment at any time he/she wants but can't select the appointment time which is already booked.

3.3 Assumptions and dependencies:

We assume that the services provided by our website will work properly without failure. All the services will have a proper configuration with the web application and database to perform smoothly.

There are a few dependencies of the system:

1. The internet should be available on the device that the user is using to access the website for it to work properly.
2. Each user must have a unique identifier and password.
3. For the system to work, the server must be up and operating.
4. To access any record, users must first log in to the system.

3.4 System Features:

3.4.1 System Feature 1(functional requirements):

The system will have an authentication system for the applications.

3.4.2 System Feature 2(function requirements):

The system will have a payment gateway by which the patient can do the payment as he/she fixes the appointment with a doctor.

3.4.3 System Feature 3(functional requirements):

The system will have a chatbot which is made by artificial intelligence to which we can talk and teach it.

3.4.4 System Feature 4(functional requirements)

The doctor can reject or accept the patient's request for an appointment.

3.4.5 System Feature 5(functional requirements):

We are also doing health awareness by giving information about various diseases and addictions that are faced by many youths of this world.

3.5 External Interface Requirements:**3.5.1 Mobile's browser for doctors will have GUI for:**

1. Home screen
2. List of patients
3. Health awareness pages
4. Doctors login and signup page

3.5.2 Mobile's browser for a patient will have GUI for:

1. Home screen
2. List of doctors and appointment form
3. Health awareness pages
4. Patient login and signup page

3.5.3 Hardware Interfaces:

1. Mobile, Laptop or Tablet, etc.
2. Internet for the devices to access the services present on the website.

3.5.4 Software Interfaces:

There are a few software interfaces to access the website:

1. Xamp for PHP and MySQL.
2. Infinity is free for hosting the website for free.

3.5.5 Security Requirements:

1. To make the system secure we are providing authentication and authorization.
2. We are providing the username and password for both i.e. patient and doctor.

Chapter-4. System design

4.1 Analysis Model

The agile SDLC model is a combination of iterative and incremental process models with a focus on process adaptability and customer satisfaction by rapid delivery of working software products. Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks. Every iteration involves cross-functional teams working simultaneously on various areas like –

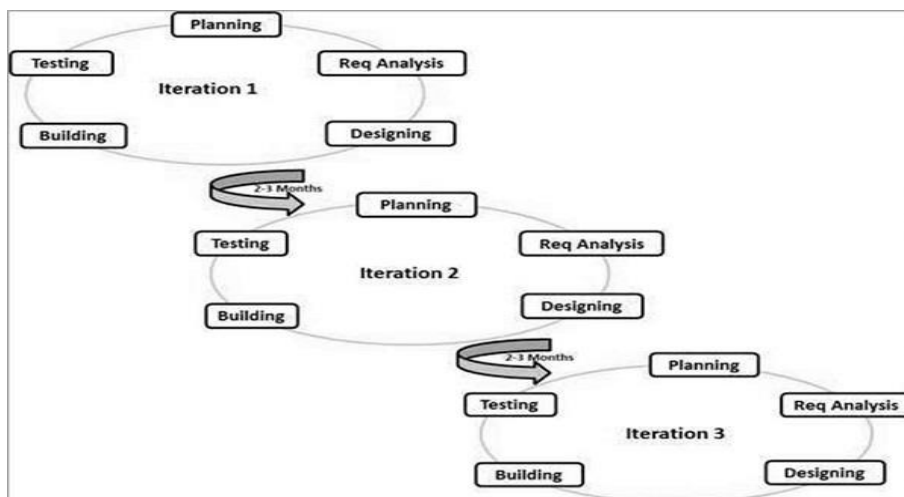
- Planning
- Requirements Analysis
- Design
- Coding
- Unit Testing and
- Acceptance Testing.

At the end of the iteration, a working product is displayed to the customer.

4.1.1 What is Agile?

The agile model believes that every project needs to be handled differently and the existing methods need to be tailored to best suit the project requirements. In Agile, the tasks are divided into time boxes (small time frames) to deliver specific features for a release.

An iterative approach is taken and a working software build is delivered after each iteration. Each build is incremental in terms of features; the final build holds all the features required by the customer. Here is a graphical illustration of the Agile Model –



The Agile thought process started early in software development and started becoming popular with time due to its flexibility and adaptability.

The most popular Agile methods include Rational Unified Process (1994), Scrum (1995), Crystal Clear, Extreme Programming (1996), Adaptive Software Development, Feature Driven Development, and Dynamic Systems Development Method (DSDM) (1995). These are now collectively referred to as **Agile Methodologies** after the Agile Manifesto was published in 2001.

Following are the Agile Manifesto principles –

- **Individuals and interactions** – In Agile development, self-organization and motivation are important, as are interactions like co-location and pair programming.
- **Working software** – Demo working software is considered the best means of communication with the customers to understand their requirements, instead of just depending on documentation.
- **Customer collaboration** – As the requirements cannot be gathered completely at the beginning of the project due to various factors, continuous customer interaction is very important to get proper product requirements.
- **Responding to change** – Agile Development is focused on quick responses to change and continuous development.

4.1.2 System Design: System design is the creation of specifications for a new system. It deals with the creation of input, which is usually the acquiring of needed data, creation of needed database, the input proceeds, users, and output to meet system objectives.

MAIN MODULES: -

The main modules of these systems are given below.

1. Patient MODULE: -

- **Patient Registration:** Register the user by the details that include Name, Email Address, Password, Residential Address, Phone Number, Gender, etc.

Profile

Users can edit and update their profile including their password.

- **Doctors List**

Users can browse through the entire list of doctors and select one to make An appointment.

- **View Prescription**

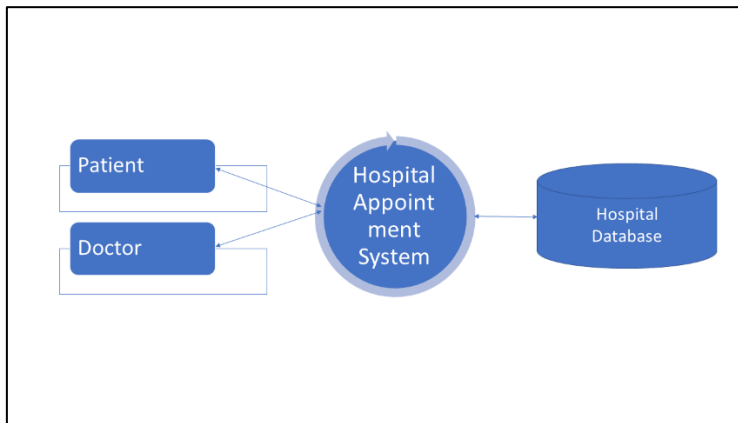
Users can view, print, or delete prescriptions sent by doctors.

- **Upcoming Appointments**

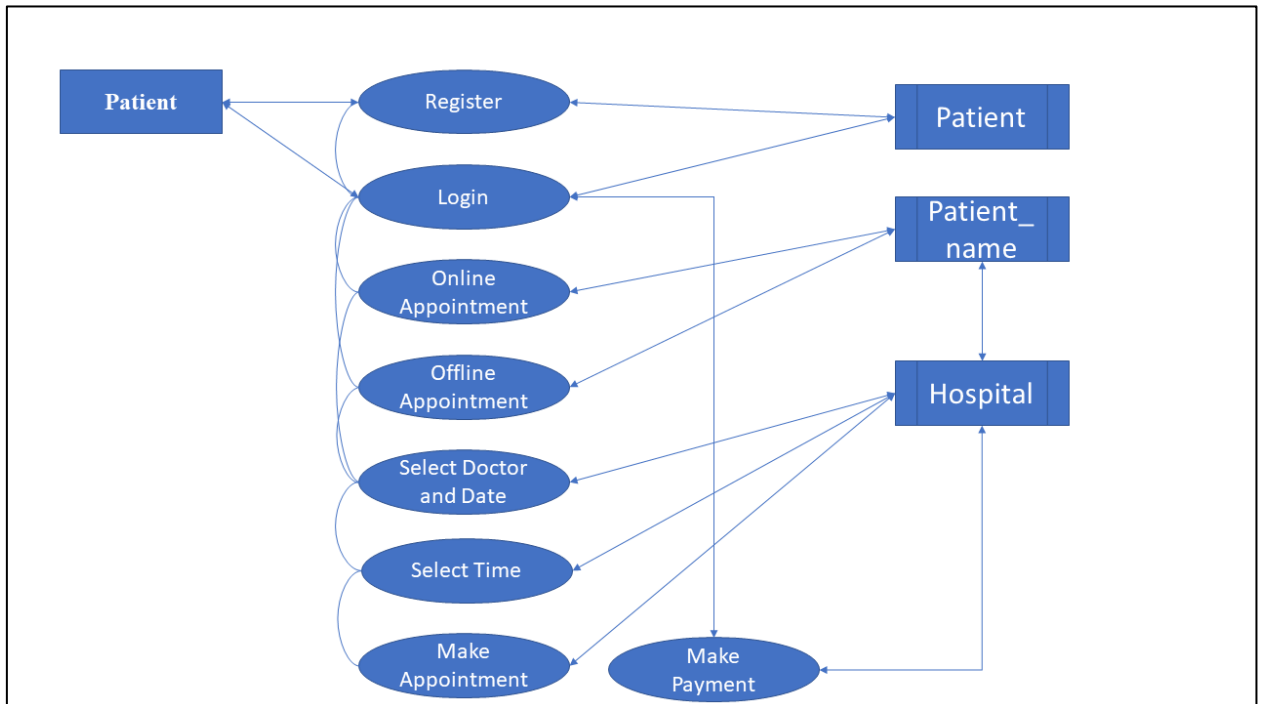
Users can view/delete upcoming appointments. Past appointments are automatically removed from the list to show only the relevant contents.

4.2 DFD (Data Flow Diagram):

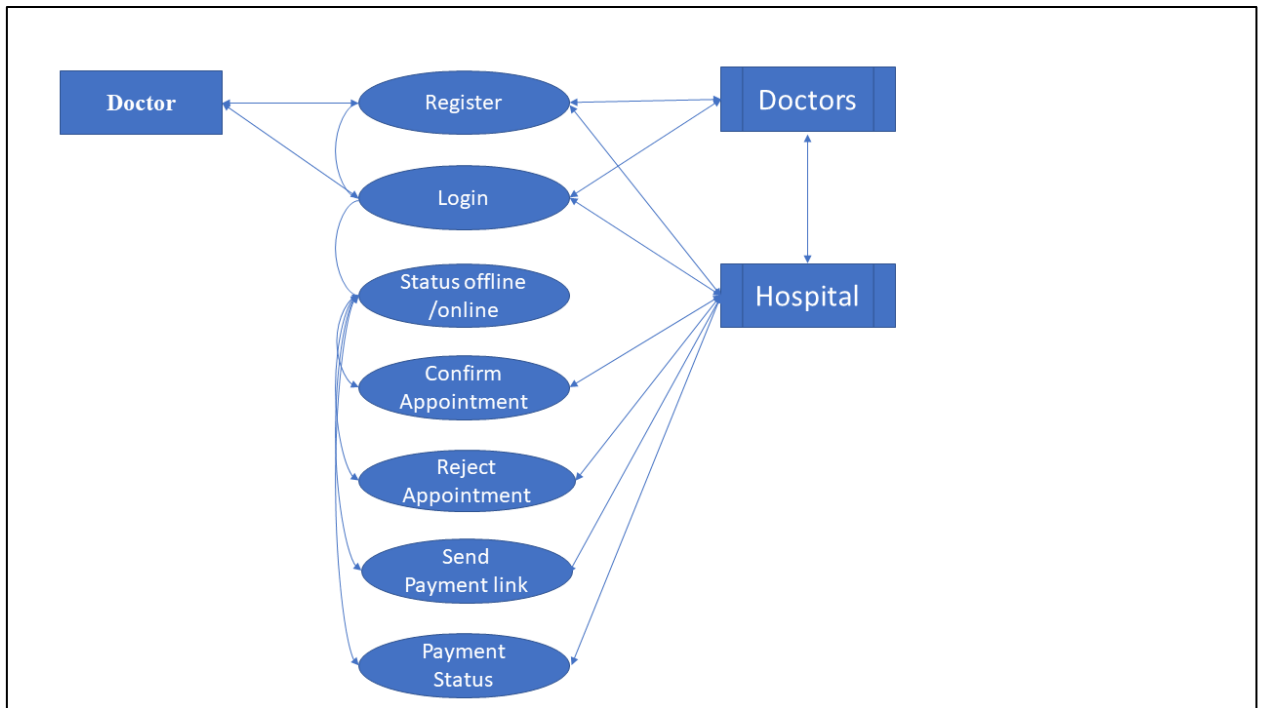
4.2.1 DFD 1:



4.2.2 DFD 2: -

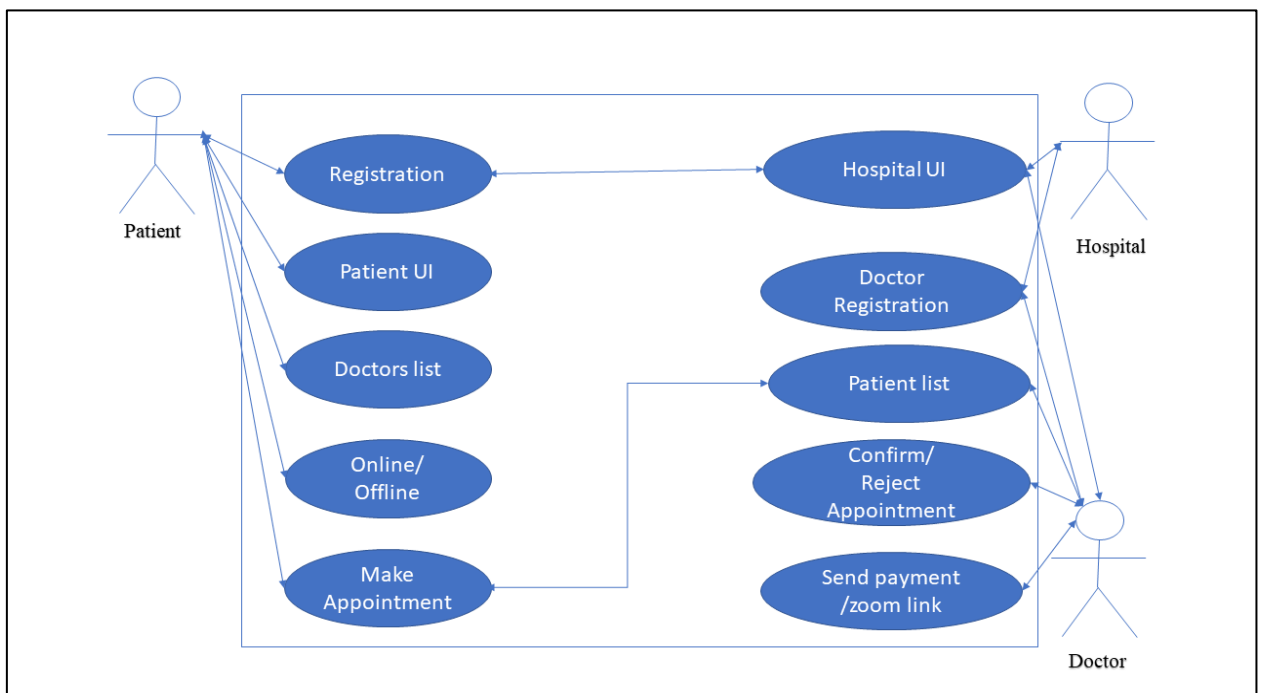


4.2.3 DFD 3:

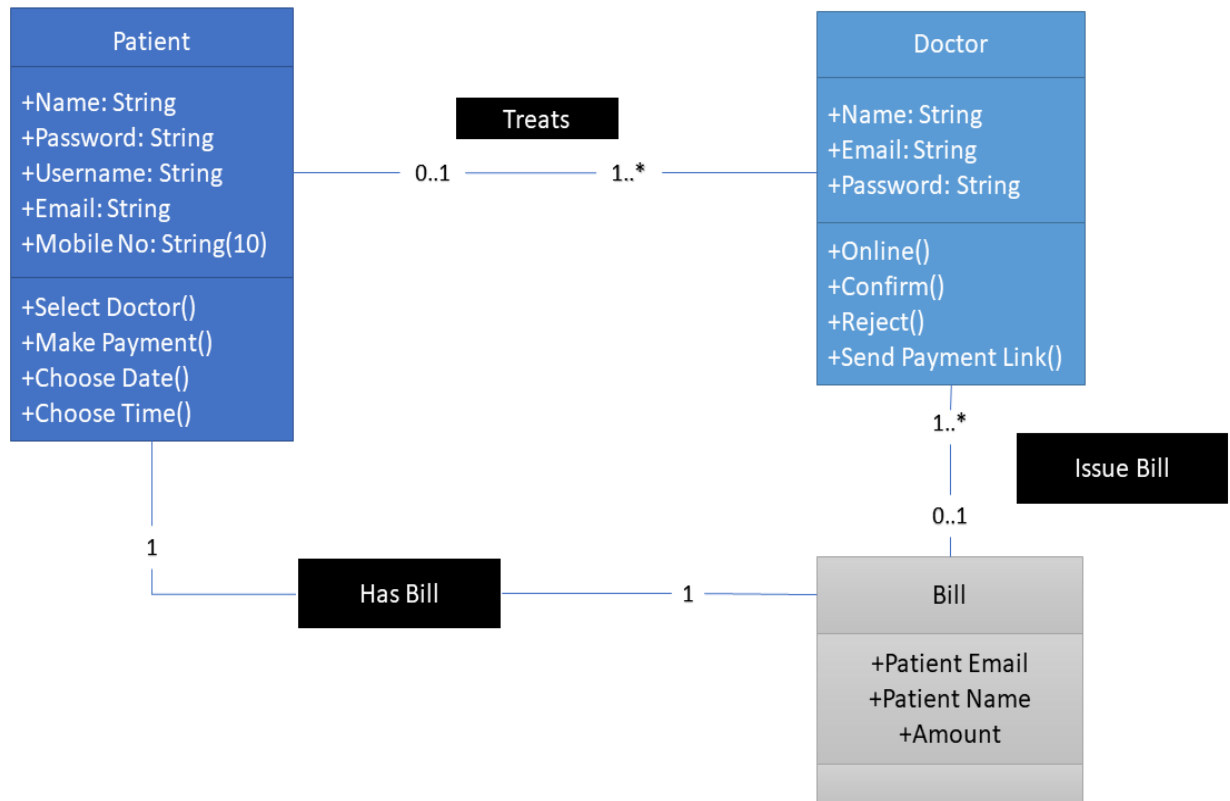


4.3 UML Diagram: -

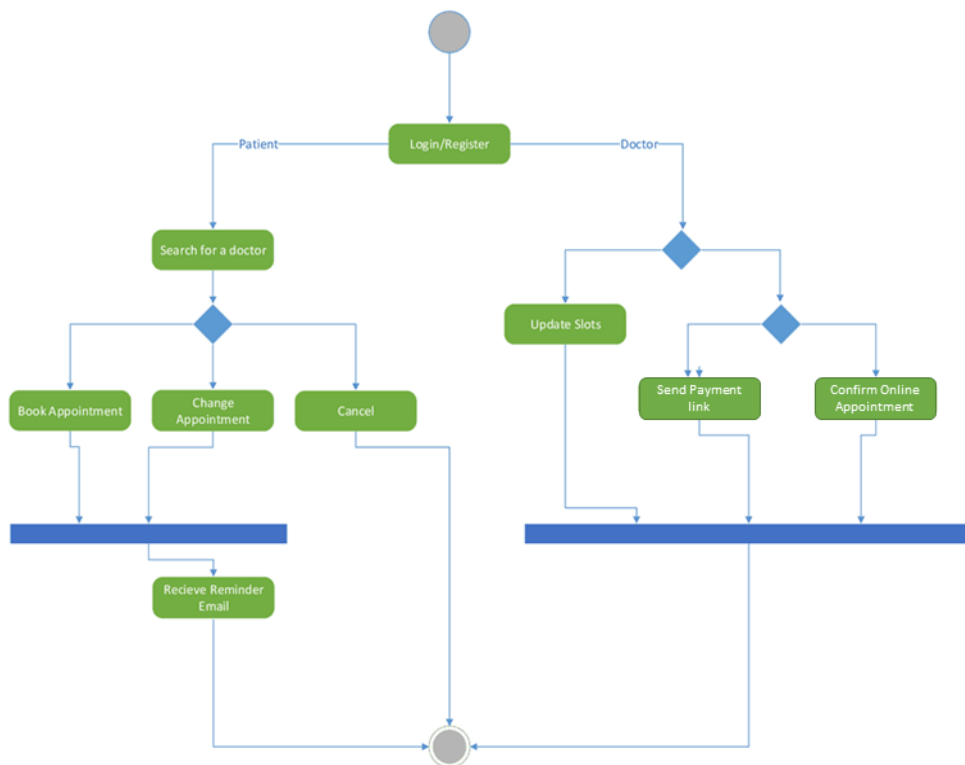
4.3.1 Use Case Diagram: -



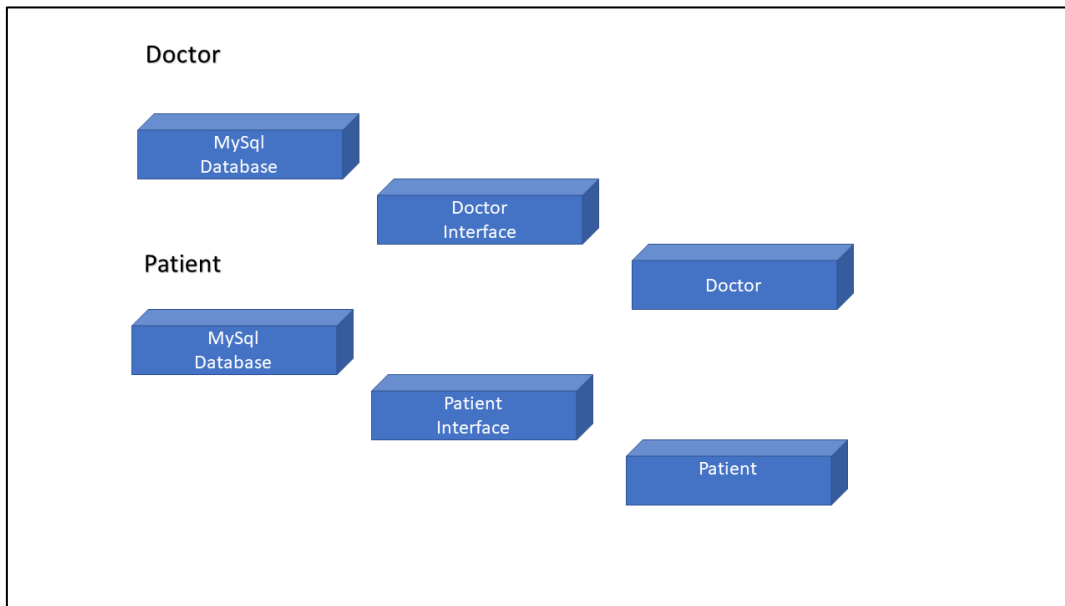
4.3.2 Class Diagram: -



4.3.3 Activity Diagram: -



4.3.4 Deployment Diagram: -



4.6 Project Plan: -

Date Phase	28-12-2021 to 20-1-2022	21-1-2022 to 2-2-2022	3-2-2022 to 10-4-2022	11-4-2022 to 26-4-2022	27-4-2022 to 6-5-2022
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					

Chapter 5: System Development

5. Coding

5.1.1 Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible"
content="IE=edge">
  <meta name="viewport"
content="width=device-width, initial-
scale=1.0">
  <title>Document</title>
</head>
<body>
  <section id="hero" class="d-flex align-
items-center">
    <div class="container">
      <div class="row">
        <div
          class="col-lg-6 d-lg-flex flex-lg-
column justify-content-center align-items-
stretch pt-5 pt-lg-0 order-2 order-lg-1"
          data-aos="fade-up">
          <div>
            <h1>WeCare</h1>
            <h2>Book Appointment as a
patinet</h2>
            <a href="Patient/index.php"
class="download-btn"><i class='bx bxs-
user'></i>Book Appointment with
            Doctors</a>
            <a href="Patient/online.html"
class="download-btn"><i class='bx bxs-
user'></i>Book Online consult</a>
          </div>
        </div>
```

```

<div class="col-lg-6 d-lg-flex flex-lg-column align-items-stretch order-1 order-lg-2 hero-
img"
  data-aos="fade-up">
  
</div>
</div>
</div>
</section>
<section id="features" class="features">
  <div id="carouselExampleInterval" class="carousel slide ms-6" data-bs-ride="carousel">
    <h5 class="mx-6">Our Top Doctors:</h5>
    <div class="carousel-inner">
      <!--Card 1-->
      <div class="carousel-item active mx-6" data-bs-interval=" 10000">
        <div class="card" style="width: 35rem; height:35rem;">
          
          <div class="card-body">
            <h5 class="card-title">Dr.Anish Giri</h5>
            <p class="card-text">expert doctor</p>
            <a href="#" class="btn btn-primary">Go somewhere</a>
          </div></div></div>
      <!--Card 2-->
      <div class="carousel-item mx-6" data-bs-interval="2000">
        <div class="card" style="width: 35rem; height:35rem;">
          
          <div class="card-body">
            <h5 class="card-title">Dr. Vidit Gujrathi</h5>
            <p class="card-text">expert doctor</p>
            <a href="#" class="btn btn-primary">Go somewhere</a>
          </div></div></div>
      <!--Card 3-->
      <div class="carousel-item mx-6">
        <div class="card" style="width: 35rem; height:35rem;">
          
          <div class="card-body">
            <h5 class="card-title">Dr.Rajvardhan Shelke</h5>
            <p class="card-text">expert doctor</p>
            <a href="#" class="btn btn-primary">Go somewhere</a>

```

```

        </div></div></div></div>
        <button class="carousel-control-prev" type="button" data-bs-
target="#carouselExampleInterval"
        data-bs-slide="prev">
        <span class="carousel-control-prev-icon" aria-hidden="true"></span>
        <span>Previous</span>
        </button>
        <button class="carousel-control-next" type="button" data-bs-
target="#carouselExampleInterval"
        data-bs-slide="next">
        <span class="carousel-control-next-icon" aria-hidden="true"></span>
        <span>Next</span>
        </button>
    </div>
</section>
</body>
</html>

```

5.1.2 Nav.php

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <title>WeCare</title>
    <meta content="" name="description">
    <meta content="" name="keywords">
    <link href="assets/img/favicon.png" rel="icon">
    <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
    <link href="assets/fevi.png" rel="icon">
    <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">
    <link href="https://fonts.googleapis.com/css?
family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Raleway:300,300i,400,400i,500,500i,6
00,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i"
    rel="stylesheet">
    <link href="assets/vendor/aos/aos.css" rel="stylesheet">
    <link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
    <link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
    <link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
    <link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
    <link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

```

```

<link href="/App/assets/css/style.css" rel="stylesheet">
</head>
<body>
  <header id="header" class="fixed-top header-transparent ">
    <div class="container d-flex align-items-center justify-content-between">
      <div class="logo">
        <h1><a href="index.html">WeCare</a></h1>
        <!-- Uncomment below if you prefer to use an image logo -->
        <!-- <a href="index.html"></a>-->
      </div>
      <nav id="navbar" class="navbar">
        <ul>
          <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
          <li><a class="nav-link scrollto" href="Doc/login.php">Doctors </a></li>
          <li><a class="nav-link scrollto" href="#details">About Us</a></li>
          <!--<li><a class="nav-link scrollto" href="#faq">covid 19</a></li>-->
          <li class="dropdown"><a href="#"><span>Services</span> <i class="bi bi-
chevron-down"></i></a>
            <ul>
              <li class="dropdown"><a href="#"><span>Mental health</span> <i
class="bi bi-chevron-right"></i></a>
                <ul>
                  <li><a href="#">Addiction</a></li>
                  <li><a href="#">Suicide</a></li>
                  <li><a href="#">Stress</a></li>
                  <li><a href="#">Depression</a></li>
                </ul>
              </li>
              <li class="dropdown"><a href="#"><span>Relationship</span> <i
class="bi bi-chevron-right"></i></a>
                <ul>
                  <li><a href="#">Communication</a></li>
                  <li><a href="#">FriendShip</a></li>
                </ul>
              </li>
              <li class="dropdown"><a href="#"><span>Health & Wellness</span> <i
class="bi bi-chevron-right"></i></a>
                <ul>
                  <li><a href="#">Happiness</a></li>
                  <li><a href="#">Career</a></li>
                  <li><a href="#">Sleep</a></li>

```

```

        <li><a href="#">Meditaion</a></li>
    </ul>
</li>
    <li><a href="#">Covid 19</a></li></ul>
</li>
    <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
    <li><a class="getstarted scrollto" href="#features">Login</a></li>
</ul>
<i class="bi bi-list mobile-nav-toggle"></i>
</nav>
</div>
</header>
</body>
</html>

```

5.2.1 Doctor Dotor.php

```

<?php
$docName;           //declaring variable
session_start();    //starting session
$docName = $_SESSION['username']; //fetching doctors's name which is send from login.php
?>
<!doctype html>
<html lang="en">
<head>
    <?php
        include 'Connect.php';
    ?>
    <title>WeCare</title>
</head>
<body>
    <?php require 'C:\xampp\htdocs\App\nav.php'?>
    <div class="container mt-6">
        <h3><?php echo "<h3>$docName's ">Patient</h3>
        <table class="table caption-top">
            <caption>List of Patients</caption>
            <thead>
                <tr>
                    <th scope="col">Sno:</th>
                    <th scope="col">Patient Name:</th>
                    <th scope="col">Email:</th>
                    <th scope="col">Date:</th>
                    <th scope="col">Time:</th>

```

```

        <th scope="col">Status:</th>
        <th scope="col">Payment:</th>
        <th scope="col">Operation:</th>
    </tr>
</thead>
<tbody>
    <?php
$sql = "SELECT * FROM ` $docName `";
$result = mysqli_query($conn2, $sql);
if ($result) {
    while ($row = mysqli_fetch_assoc($result)) {
        $sno = $row['sno'];
        $name = $row['name'];
        $email = $row['email'];
        $date = $row['date'];
        $time = $row['time'];
        $status = $row['status'];
        $payment = $row['Payment'];
        $str = "";
        $pay = "";
        if ($status == 1) {
            $str = 'Online Appointment';
        }
        else {
            $str = 'Offline Appointment';
        }
        if ($payment == 1) {
            $pay = 'Done';
        }
        else {
            $pay = 'Pending';
        }
        echo '<tr><th scope="row">' . $sno . '</th> <td>' . $name . '</td>
            <td>' . $email . '</td> <td>' . $date . '</td>          <td>' . $time . '</td>
            <td>' . $str . '</td>          <td>' . $pay . '</td>
            <td> <button class="btn btn-primary m-1"><a href="zoom.php ?Yesid=' . $sno . ' ' " =
class="text-light">Online</a></button>
            <button class="btn btn-danger m-1"><a href="No.php? Noid=' . $sno . ' ' " class="text-
light">Reject</a></button>
            <button class="btn btn-primary m-1"><a href="/App\Doc\smtp\OfflineLink.php ? Yesid=' .
$sno . ' ' " class="text-light">Confirm</a></button>

```

```

        <button class="btn btn-primary m-1"><a href="/App\Doc\smtp\PaymentLink.php ? Yesid=' .
        $sno . '" class="text-light">Send Payment Link</a></button>
    </td>
</tr>
';
}
}
?>
</tbody>
</table>
</div>
<a href="C:\xampp\htdocs\Doc\smtp\index.php"></a>
</body>
</html>

```

5.2.2 Doctor Login.php

```

<?php
$login=false;
$showError=false;
if($_SERVER["REQUEST_METHOD"]=="POST"){
include 'Partial/Db.php';
$username= $_POST['username'];
$password= $_POST['password'];
$sql="SELECT * FROM `names` WHERE `username` = '$username' AND `password` =
'$password'";
$result=mysqli_query($conn,$sql);
$num=mysqli_num_rows($result);
if($num==1){
    $login=true;
    session_start();
    $_SESSION['loggedin']=true;
    $_SESSION['username']=$username;
    header('location:Doctor2.php');
}else{
    $showError="Invalid Credentials";
}}
?>
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">

```



```

    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Login</title>
</head>
<body>
<?php require'C:\xampp\htdocs\App\nav.php'?>
    <?php
    if($login){
    echo '<div class="alert alert-primary alert-dismissible fade show mt-5" role="alert">
    <strong>Login</strong> You are logged in
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>';
    }
    if($showError){
    echo '<div class="alert alert-primary alert-dismissible fade show mt-5" role="alert">
    <strong>Login</strong> '.$showError.'
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>
    </div>';
    }
?>
    <div class="handel" style="margin-top:7%">
    <div class="container" class="row justify-content-center" >
    <div class="col-lg-8 rounded px-2">
    <h4>Login to our website</h4>
    <hr>
    <form action="login.php" method="POST">
    <div class="col-md-14" style="margin:3% 0;">
    <label for="username" class="form-label">Username</label>
    <input type="text" class="form-control" id="username" name="username">
    </div>
    <div class="col-md-14" style="margin:3% 0;">
    <label for="password" class="form-label">Password</label>
    <input type="password" class="form-control" id="password" name="password">
    </div>
    <button type="submit" class="btn btn-primary" style="margin:3%
0;">Login</button>
    </form>
    </div>
    <div class="image">
    
    </div>
    </div>

```

```

</div>
</body>
</html>

```

5.2.3 Doctor SignUp.php

```

<?php
$showAlert=false;
$showError=false;
if($_SERVER["REQUEST_METHOD"]=="POST"){
include 'Partial/Db.php';
$username= $_POST['username'];
$password= $_POST['password'];
$Cpassword=$_POST['CPassword'];
$exitsSql="SELECT * FROM `names` WHERE `username` = '$username'";
$result=mysqli_query($conn,$exitsSql);
$numExitsRows=mysqli_num_rows($result);
if($numExitsRows > 0){
    $showError="Username Already exists";
}else{
    $sql2="CREATE TABLE `hospital`.`$username` ( `sno` INT NOT NULL
    AUTO_INCREMENT , `name` VARCHAR(30) NOT NULL , `email` VARCHAR(40) NOT
    NULL , `date` DATE NOT NULL , `time` TIME NOT NULL , `status` BOOLEAN NOT
    NULL , `Payment` BOOLEAN NOT NULL , `Charges` INT NOT NULL , PRIMARY KEY
    (`sno`)) ENGINE = InnoDB;";
    $result2=mysqli_query($conn2,$sql2);
    if($password==$Cpassword ){
        $sql="INSERT INTO `names` (`username`,`password`,`date`) VALUES ('$username',
        '$password', current_timestamp());";
        $result=mysqli_query($conn,$sql);
        if($result){
            $showAlert= true;
        }
    }else{
        $showError="Password do not match ";
    }
}
?>
<!doctype html>
<html lang="en">
<head>
    <link href="\App\assets\css\style.css" rel="stylesheet">
    <title>SignUp</title>

```

```

</head>
<body>
    <?php require'C:\xampp\htdocs\App\nav.php'?>
    <?php
    if($showAlert){
    echo '<div class="alert alert-primary" role="alert">
    Your Account is now created and you can login
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>';}
    if($showError){
    echo '<div class="alert alert-danger" role="alert">
    '.$showError.'
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
    label="Close"></button>
    </div>';}?>
    <div class="handel" style="margin-top:7%">
        <div class="container" class="row justify-content-center" class="php-email-form">
            <div class="col-lg-8 rounded px-2">
                <h4>Signup to our website</h4>
                <hr>
                <form action="SignUp.php" method="POST">
                    <div class="col-md-14" style="margin:3% 0;">
                        <label for="username" class="form-label">Username</label>
                        <input type="text" class="form-control" id="username" name="username">
                    </div>
                    <div class="col-md-14 " style="margin:3% 0;">
                        <label for="password" class="form-label">Password</label>
                        <input type="password" class="form-control" id="password" name="password">
                    </div>
                    <div class="col-md-14" style="margin:3% 0;">
                        <label class="form-label"> Confirm Password</label>
                        <input type="password" class="form-control" id="CPassword"
name="CPassword">
                    </div>
                    <button type="submit" class="btn btn-primary" style="margin:3%
0;">SignUp</button>
                </form>
            </div>
            <div class="image">
                
            </div>
        </div>
    </div>

```

```
</body>
</html>
```

5.2.4 Dcotor Zoom.php

```
<?php
session_start();
$docName;
$docName = $_SESSION['username'];
echo $docName;
include('zoom/config.php');
include('zoom/api.php');
include 'C:\xampp\htdocs\App\Doc\Connect.php';
$email = "";
$date = "";
$time = "";
$link = "";
$Zpass = "";
$Stime = "";
$Etime = "";
if (isset($_GET['Yesid']) || ($_GET['date'])) {
    $id = $_GET['Yesid'];
    echo $id . "<br>";
    $sql = "SELECT * FROM `$docName` WHERE `sno` = $id";
    $result2 = mysqli_query($conn2, $sql);
    if ($result2) {
        while ($row = mysqli_fetch_assoc($result2)) {
            $email = $row['email'];
            $date = $row['date'];
            $time = $row['time'];
        }
    }
    else {
        echo "not connectd";
    }
}
$DateTime = $date . " " . $time;
$arr['topic'] = 'Doctor Advice';
$arr['start_date'] = date($DateTime, );
$arr['duration'] = 40;
$arr['password'] = 'wecare';
$arr['type'] = '2';
$result = createMeeting($arr);
```

```

if (isset($result->id)) {
$link = "Join URL: <a href=\"" . $result->join_url . "\">\" . $result->join_url . "</a><br/>";
$Zpass = "Password: " . $result->password . "<br/>";
$Stime = $result->start_time . "<br/>";
$Etime = "Duration: " . $result->duration . "<br/>";
}
else {
echo '<pre>';
print_r($result);
}
echo "From last line";
echo $email;
echo $link;
echo $Zpass;
echo $Stime;
echo $Etime;
$_SESSION['email'] = $email;
$_SESSION['link'] = $link;
$_SESSION['Zpass'] = $Zpass;
$_SESSION['Stime'] = $Stime;
$_SESSION['time'] = $Etime;
header('location:smtp/index.php');
?>

```

5.3.1 Payment pgRedirect.php

```

<?php
header("Pragma: no-cache");
header("Cache-Control: no-cache");
header("Expires: 0");
include 'lib/Db.php';
require_once("./lib/config_paytm.php");
require_once("./lib/encdec_paytm.php");
$checkSum = "";
$paramsList = array();
$username= $_POST['username'];
$password= $_POST['password'];
$name = $_POST["name"];
$email = $_POST["email"];
$num = $_POST["num"];
$Doctorname = $_POST["Doctorname"];
$ORDER_ID = $_POST["ORDER_ID"];
$CUST_ID = $_POST["CUST_ID"];

```

```

$TXN_AMOUNT = 200;
echo $Doctorname;
$sql="SELECT * FROM `names` WHERE `username` = '$username' AND `password` =
'$password'";
$result=mysqli_query($conn3,$sql);
$num=mysqli_num_rows($result);
if($num==1){
echo "valid Credentials";
}else{
    $showError="Invalid Credentials";
}
$sql="UPDATE ` $Doctorname` SET `Payment` = '1' WHERE ` $Doctorname`.`email` =
'$email'";
    $result2=mysqli_query($conn2,$sql);
    if($result2){
    }else{
        echo "not working";
    }
    $paramList["MID"] = PAYTM_MERCHANT_MID;
$paramList["ORDER_ID"] = $ORDER_ID;
$paramList["CUST_ID"] = $CUST_ID;
$paramList["INDUSTRY_TYPE_ID"] = "Retail";
$paramList["CHANNEL_ID"] = "WEB";
$paramList["TXN_AMOUNT"] = $TXN_AMOUNT;
$paramList["WEBSITE"] = PAYTM_MERCHANT_WEBSITE;
$paramList["CALLBACK_URL"] = "http://localhost/App/Payment/pgResponse.php";
$checksum = getChecksumFromArray($paramList,PAYTM_MERCHANT_KEY);
?>

```

5.3.2 Payment pgResponse.php

```

<?php
include 'lib/Db.php';
header("Pragma: no-cache");
header("Cache-Control: no-cache");
header("Expires: 0");
require_once("./lib/config_paytm.php");
require_once("./lib/encdec_paytm.php");
$paytmChecksum = "";
$paramList = array();
$isValidChecksum = "FALSE";
$paramList = $_POST;

```

```

$paytmChecksum = isset($_POST["CHECKSUMHASH"]) ? $_POST["CHECKSUMHASH"] :
""; //Sent by Paytm pg
if($isValidChecksum == "TRUE") {
echo "<b>Checksum matched and following are the transaction details:</b>" . "<br/>";
if ($_POST["STATUS"] == "TXN_SUCCESS") {
    echo "<b>Transaction status is success</b>" . "<br/>";
}
} else {
    echo "<b>Transaction status is failure</b>" . "<br/>";
}
if (isset($_POST) && count($_POST)>0)
{
    foreach($paramList as $key => $value){
        echo $key . " : " . $value . "<br>";
    }
    foreach($_POST as $paramName => $paramValue) {
        echo "<br/>" . $paramName . " = " . $paramValue;
    }
}
}
else {
echo "<b>Checksum mismatched.</b>";
}
?>

```

5.4.1 Patient Offline Appointment.php

```

<?php
include 'Connect.php';
?>

<!DOCTYPE html>
<html lang="en">

<head>
</head>
<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $fDate = $_POST['fDate'];
    $fDoc = $_POST['fDoc'];
}
$sql="SELECT * FROM `fDoc` WHERE `date` = '$fDate'";
$result = mysqli_query($conn2, $sql);

```

```

$times=array();
if ($result) {
    while ($row = mysqli_fetch_assoc($result)) {
        $date = $row['date'];
        $time = $row['time'];
        array_push($times,$time);} }

function CheckTime($times,$slot){
    for($i=0;$i<count($times);$i++){ if($slot==$times[$i]){ echo 'disabled';} } }
session_start();
$_SESSION['Doctorname']=$fDoc;
$_SESSION['date']=$fDate;
?>

<body>
<?php require'C:\xampp\htdocs\App\nav.php'?>
<section id="contact" class="contact">
    <div class="container">
        <div class="section-title">
            <h2>Book Appointment</h2>
        </div>
        <div class="row">
            <div class="col-lg-6">
                <div class="row">
                    <div class="col-lg-6 info">
                        <div class="card" style="width: 17rem; height:17rem;">
                            
                            <div class="card-body">
                                <h5 class="card-title">Dr.Rajvardhan Shelke</h5>
                                <p class="card-text">Expert doctor</p>
                            </div>
                        </div>
                    </div>
                </div>
            <div class="col-lg-6 info">
                <div class="card" style="width: 17rem; height:17rem;">
                    
                    <div class="card-body">

```



```

        <h5 class="card-title">Dr.Anish Giri</h5>
        <p class="card-text">Expert doctor</p>

    </div>
</div>
</div>
<div class="col-lg-6 info">
    <div class="card" style="width: 17rem; height:17rem;">
        
        <div class="card-body">
            <h5 class="card-title">Dr.Vidit Gujrathi</h5>
            <p class="card-text">Expert doctor</p>

        </div>
    </div>
</div>
</div>
<div class="col-lg-6 info">
    <div class="card" style="width: 17rem; height:17rem;">
        
        <div class="card-body">
            <h5 class="card-title">Dr.Anand Mahajan</h5>
            <p class="card-text">Expert doctor</p>
        </div>
    </div>
</div>
</div>
</div>
<div class="col-lg-6">
    <form action="PatientPhp/Post.php" method="post" role="form" class="php-email-
form">
        <div class="form-group">
            <input placeholder="Your Name" type="text" name="name" class="form-
control" id="name"
                required>
        </div>
        <div class="form-group mt-3">
            <input placeholder="Your Email" type="email" class="form-control"
name="email" id="email"

```

```

        required>
    </div>
    <div class="form-group mt-3">
        <input type="text" placeholder="Your number" class="form-control" required
name="num">
    </div>
    <div class="form-group mt-3">
        <textarea placeholder="Message" class="form-control" name="message"
rows="5"
        required></textarea>
    </div>
    <div class="form-group mt-3">
        <label for="exampleFormControlSelect1">Select Time of
Appointment</label>
        <select required class="form-control" placeholder="thi d s s" name="Time"
        onchange="showTime(this.value)">
            <option value="">Select Time
            </option>
            <option <?php $slot='11:00:00';
            CheckTime($times,$slot);?> value="11:00 am"> 11:00 am
            </option>
            <option <?php $slot='11:30:00';
            CheckTime($times,$slot);?> value="11:30 am"> 11:30 am
            </option>
            <option <?php $slot='12:00:00';
            CheckTime($times,$slot);?> value="12:00 am"> 12:00 am
            </option>
            <option <?php $slot='12:30:00';
            CheckTime($times,$slot);?> value="12:30 pm"> 12:30 pm
            </option>
            <option <?php $slot='01:00:00';
            CheckTime($times,$slot);?> value="1:00 pm"> 1:00 pm
            </option>
            <option disabled>Please choose another date if all slots are booked
            </option>
        </select>
    </div>
    <div class="my-3">
        <div class="loading">Loading</div>
        <div class="error-message"></div>
        <div class="sent-message">Your message has been sent. Thank you!</div>
        <div class="loading">Appointment Book sucessfully</div>

```

```

        <div class="sent-message">Your message has been sent. Thank you!</div>
    </div>
    <div class="text-center"><button type="submit">Book
Appointment</button></div>
    </form>
</div>
</div>
</div>
<div style="margin-top: 20%;"></div>
</section>
</body>
</html>

```

5.4.2 Patient Post.php

```

<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $time = $_POST['Time'];

    session_start();
    $doctor=$_SESSION['Doctorname'];
    $date=$_SESSION['date'];

    $host = 'localhost:3307';
    $user = 'root';
    $pass = "";
    $database = "hospital";
    $conn = mysqli_connect($host, $user, $pass, $database);
    $sql = "INSERT INTO `doctor` ( `name`, `email`, `date`, `time`) VALUES ('$name', '$email',
'$date', '$time')";
    $result = mysqli_query($conn, $sql);
    if ($result) {
        echo'<div class="alert alert-success" role="alert">
        <strong>Success</strong> Your Entry has submitted succesfully!
        </div>';
    } else {
        echo mysqli_error($conn);
    }
    $_SESSION['username']= $doctor;
    $_SESSION['email']= $email;
}??>

```

5.5.1 Footer.php

```

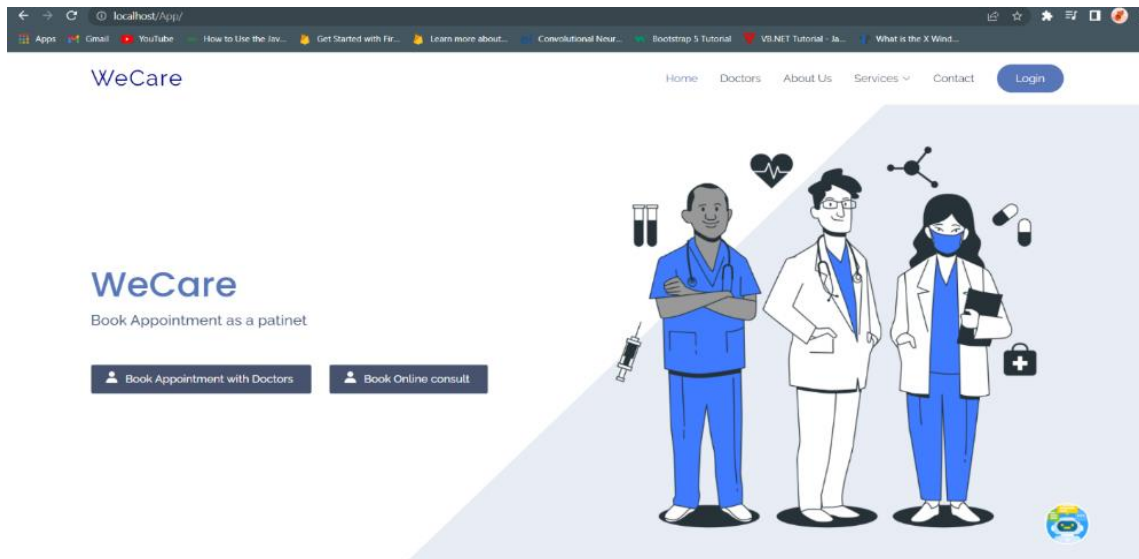
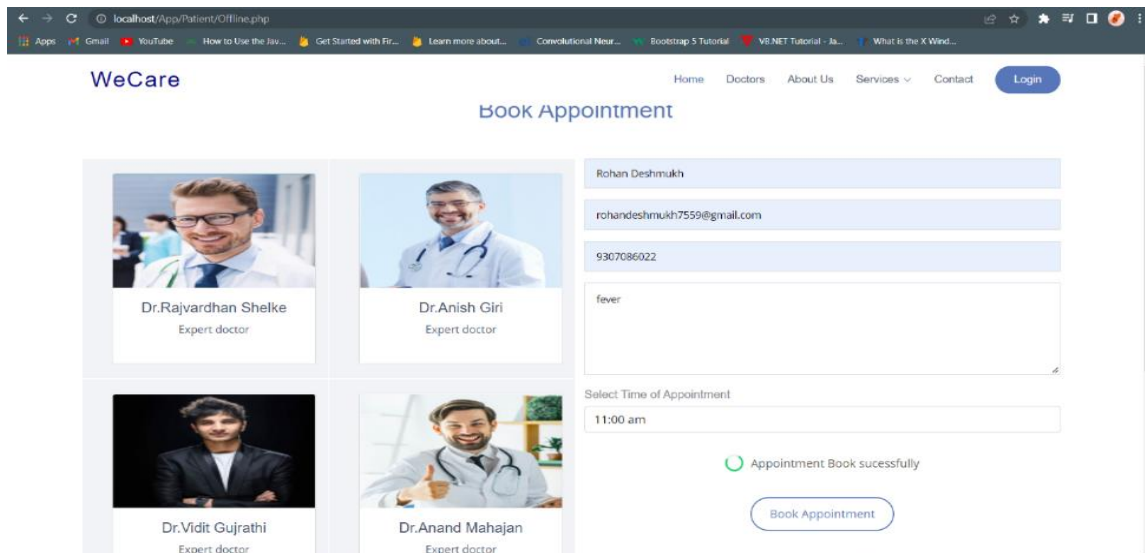
<!DOCTYPE html>
<html lang="en">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@5.15.4/css/fontawesome.min.css"
  integrity="sha384-
jLKHWM3JRmfMU0A5x5AkjWkw/EYfGUAGagvnfryNV3F9VqM98XiIH7VBGVoxVSc7"
  crossorigin="anonymous">
<body>
  <footer id="footer"> <div class="footer-newsletter"> <div class="container">
    <div class="row justify-content-center"> <div class="col-lg-6">
<h4>Join Our Newsletter</h4>
    <p>Join WeCare Newsletter to see latest update and services.</p>
    <form action="" method="post">
      <input type="email" name="email"><input type="submit" value="Subscribe">
    </form>    </div> </div> </div> </div>
  <div class="footer-top">
    <div class="container">
      <div class="row">
        <div class="col-lg-3 col-md-6 footer-contact">
          <h3>WeCare</h3>
          <p>Nashik Road,<br>Nashik, 422101</p>
          <strong>Phone:</strong> +91 9307086022<br>
          <strong>Email:</strong> wecareweb1@gmail.com<br>
        </p>
        </div>
        <div class="col-lg-3 col-md-6 footer-links">
          <h4>Useful Links</h4>
          <ul>
            <li><a class="nav-link scrollto active" href="#hero">Home</a></li>
            <li><a class="nav-link scrollto" href="#features">Doctors </a></li>
            <li><a class="nav-link scrollto" href="#details">About Us</a></li>
            <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
            <li><a class="getstarted scrollto" href="#features">Login</a></li>
          </ul>
        </div>
        <div class="col-lg-3 col-md-6 footer-links">
          <h4>Our Services</h4>
          <ul>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Web Design</a></li>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Web
Development</a></li>

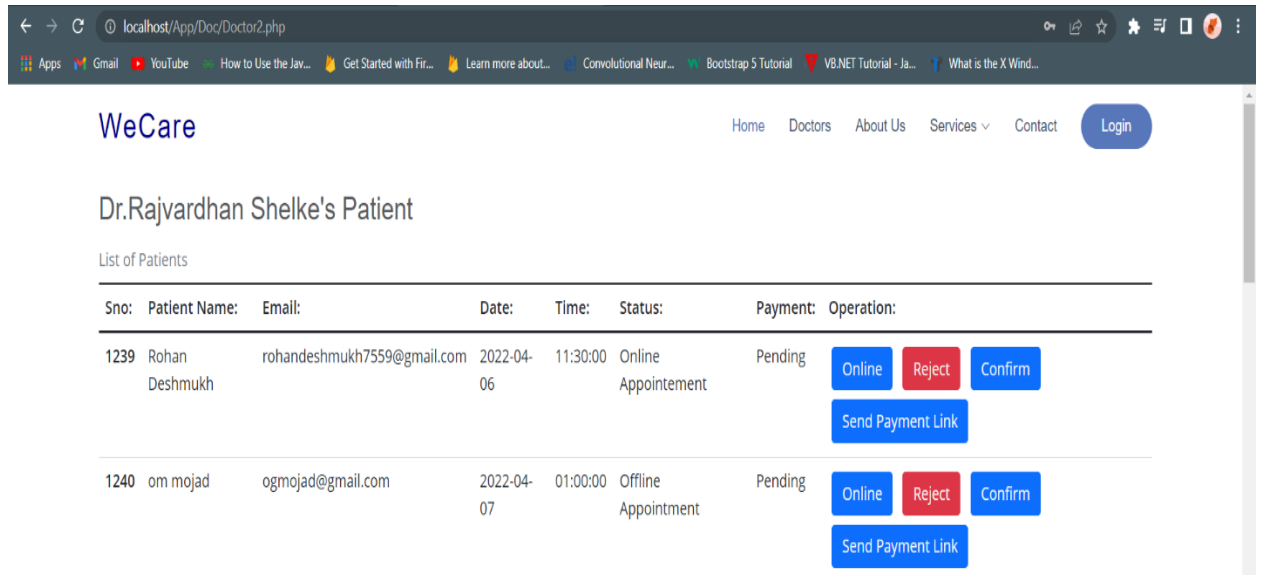
```

```

        <li><i class="bx bx-chevron-right"></i> <a href="#">Product
Management</a></li>
        <li><i class="bx bx-chevron-right"></i> <a href="#">Marketing</a></li>
        <li><i class="bx bx-chevron-right"></i> <a href="#">Graphic
Design</a></li>
    </ul>
</div>
<div class="col-lg-3 col-md-6 footer-links">
    <h4>Our Social Networks</h4>
    <p>Get in touch with us:</p>
    <div class="social-links mt-3">
        <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
        <a href="#" class="facebook"><i class="bx bxl-facebook"></i></a>
        <a href="#" class="instagram"><i class="bx bxl-instagram"></i></a>
        <a href="#" class="google-plus"><i class="bx bxl-skype"></i></a>
        <a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
    </div> </div>
</div></div>
</div> </div>
</footer>
</body>
</html>

```

Output:**Home page: Index.html****Book Appointment: Offline.php**

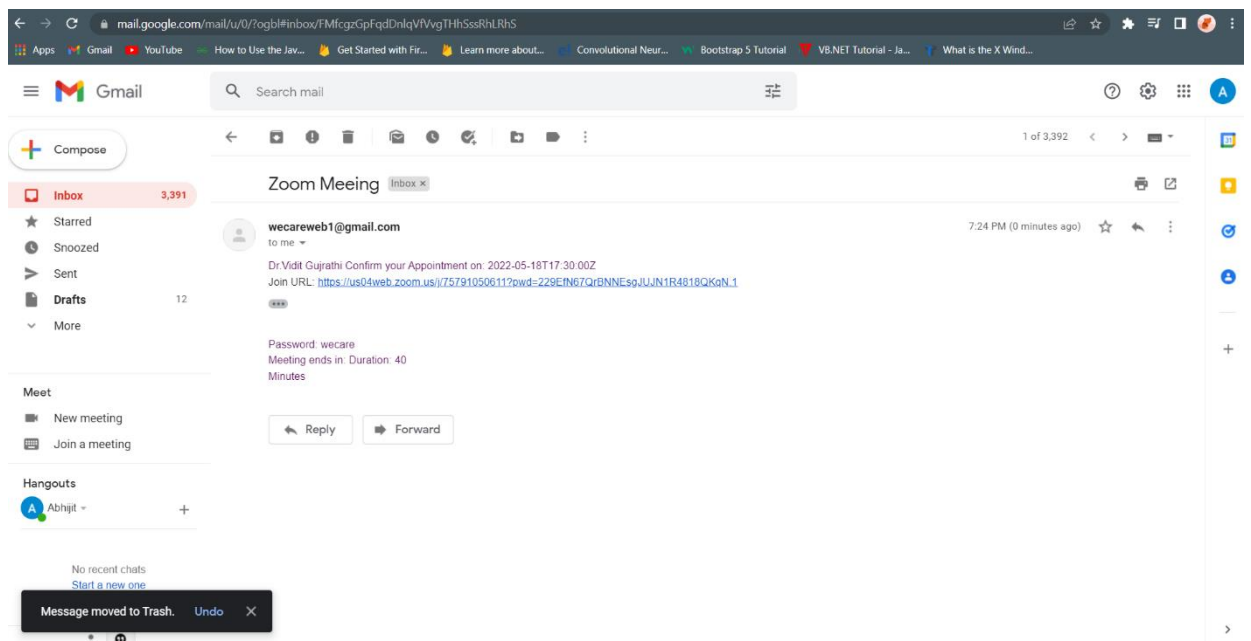
Patient List: Doctor.php


WeCare Home Doctors About Us Services Contact Login

Dr.Rajvardhan Shelke's Patient

List of Patients

Sno:	Patient Name:	Email:	Date:	Time:	Status:	Payment:	Operation:
1239	Rohan Deshmukh	rohandeshmukh7559@gmail.com	2022-04-06	11:30:00	Online Appointment	Pending	Online Reject Confirm Send Payment Link
1240	om mojad	ogmojad@gmail.com	2022-04-07	01:00:00	Offline Appointment	Pending	Online Reject Confirm Send Payment Link

Online Appointment zoom link sends to patient's email:


mail.google.com/mail/u/0/?ogbl=inbox/FMfcgzGpFqdDnqVIVgTHhSssRHLRhS

Gmail Search mail

Zoom Meeting Inbox

from wecareweb1@gmail.com 7:24 PM (0 minutes ago)

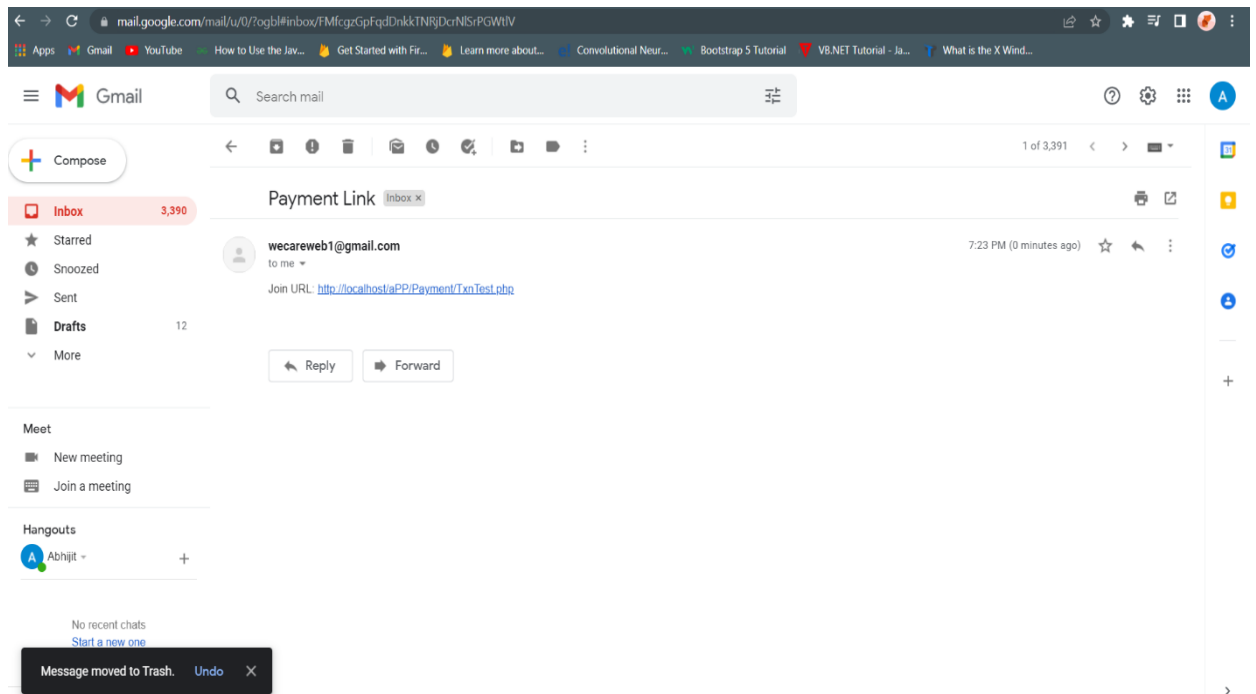
Dr.Vidit Gujarathi Confirm your Appointment on: 2022-05-18T17:30:00Z
Join URL: <https://us04web.zoom.us/j/75791050611?pwd=Z29EING7QzRNNESpJlJN1R4819Q6oN.1>

Password: wecare
Meeting ends in: Duration: 40 Minutes

[Reply](#) [Forward](#)

Message moved to Trash. Undo

Payment links send to patient's email:

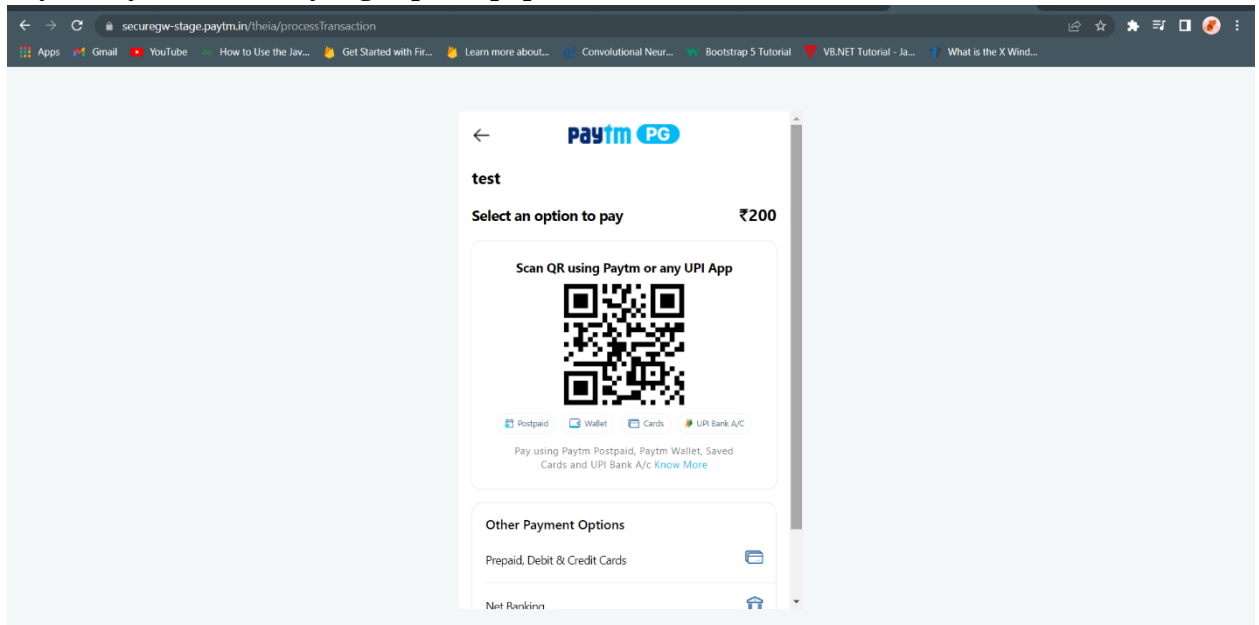


Payment Gateway for Patient: TxtTest.php

The screenshot shows the "WeCare" website's "Make Payment" form. The form includes the following fields and values:

- Username: abhi27
- Password: (masked with dots)
- Name: Abhijit Wagh
- Email: abhi.wagh2712@gmail.com
- Phone: 9307086022
- Select Doctor: Dr. Vidit Gujrathi
- Amount to Pay: 200

A "Checkout" button is located at the bottom of the form.

Paytm Payment Gateway: Pgresponse.php

Chapter-6. Testing

6.1 Test cases for User Module

Sr.no	Testcase Name	Description	Expected Result	Actual Result	Remark
1.	Patient Login	Enter Username and Password for login to a website	Login should be Successful	Login Successful	Pass
2.	Doctor Login	Check the response when a valid name and password are entered	Doctor Login should be Successful	Doctor Login Successful	Pass
3.	Confirm Appointment Button	To check the weather, confirm the appointment button work for not.	An appointment should be confirmed and the user should get mail	Users get mail about confirmation	Pass
4.	Payment link button	To check whether the patient, gets mail about payment link on mail	The patient should get mail about the payment link	Patients get mail about payment with a link	Pass
5.	Payment link page	To check whether the link redirects to the payment page or not	Patient should be redirected to payment page	Patient redirected to payment page	Pass
6.	Reject button	To check whether the by clicking on reject button appointment get rejected or not	Patient Appointment info. Should be deleted	Patient appointment info. Deleted	Pass

			and he should get mail	and he get mail about rejection	
7.	Services tab	To check the weather services tab's pages, get open or not	The patient should get a drop-down list of different topics and sub-topics	Patients get a dropdown list many different topics and subtopics	Pass
8.	Book Online appointment Button	Check user can book online appointment or not	User should redirect to booking slot page and should fill form	User redirected to booking slot form	Pass
9.	Book Offline appointment	Check user can book online appointment or not	User should redirect to booking slot page and should fill form	User redirected to booking slot form	Pass
10.	Zoom link On patient mail	Patient should get zoom link on mail after booking an appointment	Patient should get zoom meeting link	Patient get zoom link after booking an appointment	Pass

Chapter-7. Cost Estimation

7.1 Effort Estimate Table

Task	Effort Weeks	Deliverables	Milestones
Analysis of existing systems & compare with proposed one	4 weeks		
Literature survey	1 week		
Designing & planning <ul style="list-style-type: none"> System flow Designing modules & its deliverables 	2 weeks 1 week 2 weeks	Modules design documents	
Implementation	7 weeks	Primary system	
Testing	4 weeks	Test reports	Formal
Documentation	2 weeks	Complete project report	Formal

7.2 Estimation of KLOC:

The number of lines required form implementation of various modules can be estimated as follows:

Sr.no	Modules	KLOC
1.	Graphical user Interface	0.50
2.	User authentication Code	0.20
3.	Database code	0.60
4.	Web design code	0.50
5.	Interfacing code	0.20

Chapter-8. Future Scope

Scope of the project is very broad in terms of other online doctor appointment portal. Few of them are:

- This system is implemented for all the individuals who want to get treated by the city practitioners.
- The users can participate only if they have created an account through the registration form and have once, they get registered themselves further they can take appointment of any doctor they want
- Patient and doctor get SMS from the system.
- There is huge collection of doctor information.
- Anyone can get appointment on time.

Chapter-9. Conclusion

People often have to wait a long time to see trained doctors, and this service is also highly expensive. A web-based online telemedicine system is presented in this paper. Our web application allows consumers to connect with the doctors they choose, allows doctors to write prescriptions for patients. This approach allows people to readily connect with a qualified doctor anywhere in the country. Patients can acquire prescriptions from doctors swiftly through video conferencing. A user-friendly, fast, and dependable interface is provided by the system. With the help of this system, people may schedule doctor appointments and obtain medications while staying at home.

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