



Major Project Report

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## Declaration by Author(s)

This is to declare that this project is written by me and my team member in our own words. All the sources that we used in our project are fully acknowledged. I/We will take full responsibility if the report is found to be plagiarised.

### TEAM MEMBERS

Labani Basak

Banani Das

## **ACKNOWLEDGEMENT**

I express my sincere gratitude to Professor Jayanta Datta (Asst. Professor of Department of CA,RCCIIT) for extending his valuable time to guide me/us to take up this project and see it through.

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## **CERTIFICATE**

The report of the project titled E-healthcare submitted by Banani Das (Roll No.: 151170510010 of MCA 6<sup>th</sup> Semester of 2018) has been prepared under my/our supervision for the partial fulfilment of the requirements of MCA degree in Maulana Abul Kalam Azad University of Technology.

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## 1. ABSTRACT

This is portal based automation project named **E-HEALTHCARE** where a registered patient can consult with doctors, tell them their issues and discuss remedies by sending a request to the doctor. A registered doctor can see patient requests for consultations. After accepting patient's request, doctors can chat with patients and discuss their problems. Doctor also can send an online prescription in a printable word format to patient via mail so that they may directly print it and get medicines based on that prescription

Main facilities available in the website are:

- The registered patients can search for doctor and can book a schedule to chat with doctor by sending them a request and they have to pay Rs. 300/- as a consultation fee.
- The registered doctor can chat with the requested patient according to the schedule.
- The registered patient can discuss their illness and problem with doctors and doctor can handle emergency situation by providing primary helps.

## **2. Introduction**

The project includes three main sections:

❖ **Patient section:**

- i. Patient has to register on the website for searching doctors.
- ii. Patient can search for doctor after log in to the website.
- iii. Patient can book a schedule (given by doctor) when they can chat with doctor.
- iv. After booking a schedule patient must be paid Rs.300 as consultation fees through online transaction.
- v. After transaction doctor receives an email containing the details schedule of chat time.
- vi. Patient then have to wait for the time what they booked for chatting with doctor.
- vii. According to schedule patient can discuss their problems and illness with the doctor.
- viii. Patient can gives feedback and also see other feedback.
- ix. Patient can login through email id and unique password.

❖ **Doctor Section:**

- i. Doctors are registered on website by giving their basic details and available time and day on which time they are available to chat with patients.
- ii. Doctors can see patient's request after log in to the website.
- iii. Doctors also get an email after patient booked a schedule for chat.
- iv. Doctors can login through email id and unique password.

❖ **Admin Section:**

- i. Admin can add doctors, removes doctor, see feedback and doctor details.
- ii. Admin can login through email id and unique password.

### **3. SOFTWARE REQUIREMENT SPECIFICATION (SRS)**

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3.5.2 Availability

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## **3.1 Introduction**

### **3.1.1 Purpose**

This document is meant to describe the features of E-HEALTHCARE, so as to serve as a guide to developers on one hand and a software validation document for the prospective client on the other.

### **3.1.2 Scope**

This system allows the patient to chat with doctors and discuss their problem. Doctors can handle emergency situation by providing primary help, till the patient can be taken to the hospital.

## **3.2 Functional Requirement**

This section provides requirement overview of the various functional modules that can be implemented by the system will be-

### **3.2.1 Description**

#### **3.2.1.1 Registration**

If patient wants to consult with doctor or discuss their problems through online chat then they must be registered on the website. If doctor wants to help the patient through online discussion on chat then they must be registered.

#### **3.2.1.2 Login**

Admin, doctor, patient has to login to the website by entering their email id and unique password.



#### **3.2.1.3 Add Doctor**

Admin can add doctor on this website as well as doctor himself/herself can register on this website.

#### **3.2.1.4 View Doctor**

Admin can view doctor details and patient also can see doctor details by choosing doctor type after login.

#### **3.2.1.5 Delete Doctor**

Admin can delete any doctor details from the website based on patient's feedback.

#### **3.2.1.6 Appointment Booking**

Patient can book schedule for online chat with doctor in which time doctors are available.

#### **3.2.1.7 Make Payment**

Patient must be paid Rs.300/- after booking appointment through online transaction.

#### **3.2.1.8 Chat Request**

After confirm booking schedule and payment done, respective doctor receives a mail from E-healthcare website containing time schedule of online chat.

#### **3.2.1.9 Online Chat**

Patient and doctor must be online at that time when patient take appointment schedule.

#### **3.2.2.0 Appointment Booking**

Doctor can generate prescription in word format after chat and send it to patient via mail so that patient can take print of it and get medicine from shop.

#### **3.2.2.1 Logout**

After the entire task done patient, doctor has to logout.

### **3.3 Interface Requirements:**

#### **3.3.1 Hardware Interface**

- Minimum 1 GB Hard disk
- Dual Core Processor
- RAM 512 MB
- Internet Connection

#### **3.3.2 Software Interface**

- Operating system – Windows 7/8/8.1/10
- Language – JAVA,JAVASCRIPT,CSS,HTML,JAVA SERVICE PROVIDER(JSP)
- Database – Microsoft Sql Server 2014
- Server – Apache Tomcat server

- Web Browser- Google Chrome, Mozilla Firefox

### **3.4 Design Constraints:**

The system shall be built using a standard web page development tool that conforms to Microsoft's GUI standards like HTML, JS, CSS etc.

### **3.5 Other Non Functional Requirement**

#### **3.5.1 Security**

The website is highly secured. During login if doctor/patient give invalid email\_id or password then a message will appear on the page that doctor/patient give invalid email\_id or password and can't login until they give valid email\_id and password.

#### **3.5.2 Availability**

The system should be available all the times, meaning the user can access it using a web browser, only restricted by the down time of the server on which the system runs.

#### **3.5.3 Maintainability**

A database is used for maintaining the database of website and application server takes care of the site. The software design is being done with modularity in mind so that the maintainability can be done efficiently.

#### **3.5.4 Portability**

The application is HTML and scripting language based. So the end user part is fully portable and any system using any web browser should be able to use the features of the system.

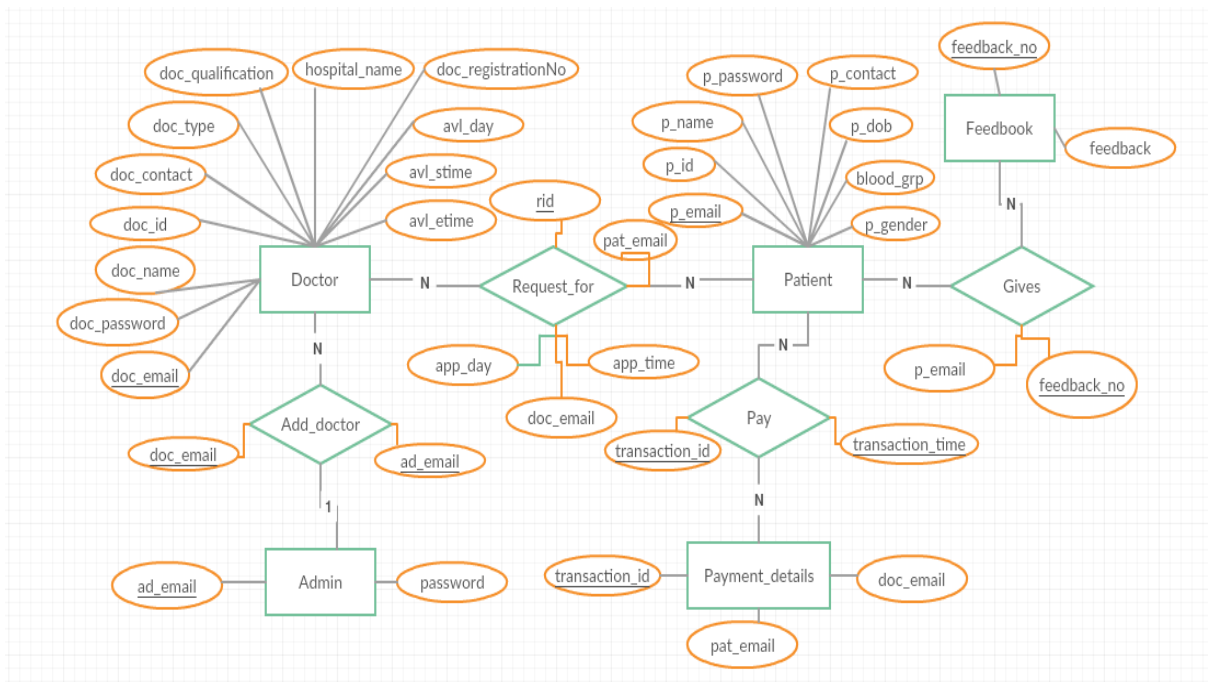
## **4. USER CHARACTERISTICS**

- User must be comfortable in working with computers.
- User must know Basic English.

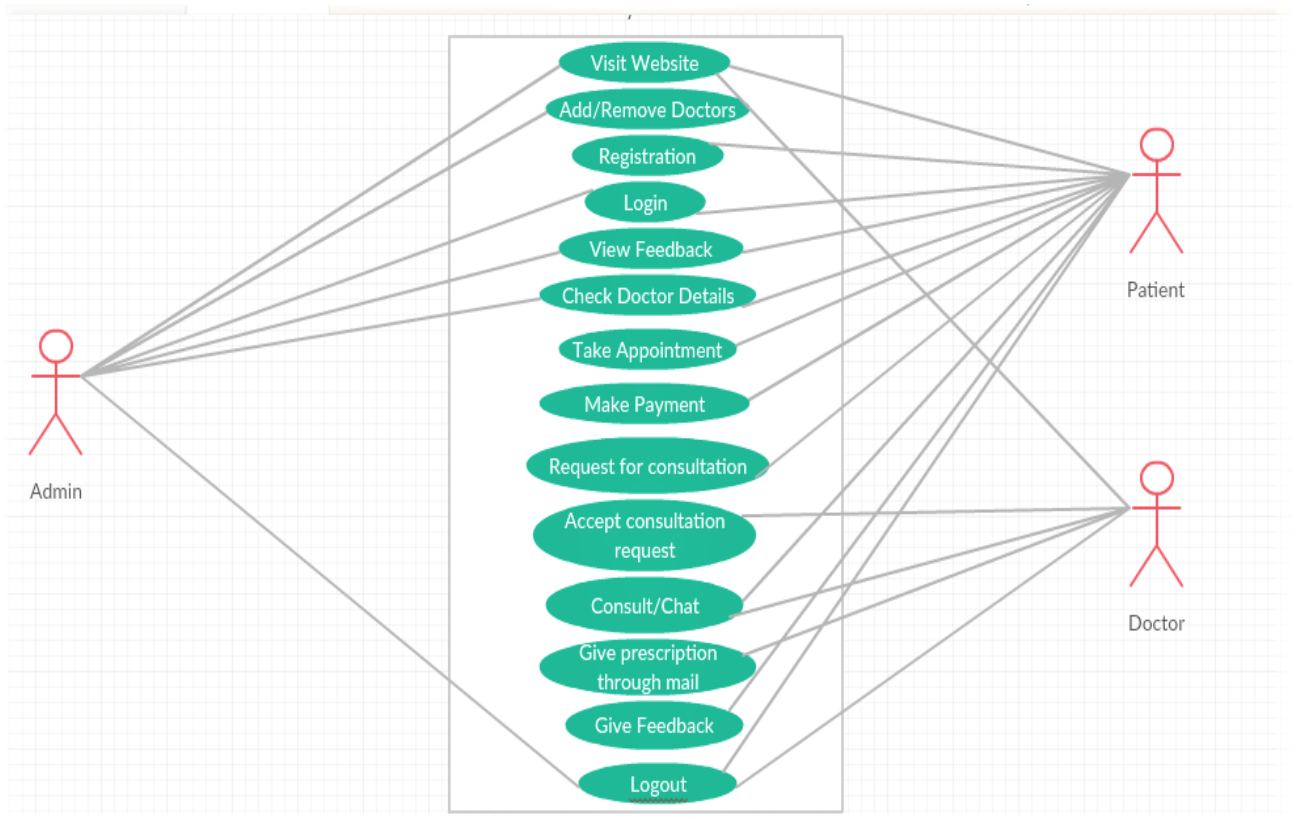
## **5. CONSTRAINTS OF USE**

- GUI is only in English.
- Patient, doctor must remember login id (email id) and password.
- Internet connection is needed for viewing the website.

## **6. ENTITY RELATIONSHIP DIAGRAM**



## 7. USE CASE DIAGRAM



## 8. SAMPLE CODES

### 8.1 doctorRegistration.jsp

```

<%--
    Document      : doctorRegister.jsp
    Created on    : 10 Mar, 2018, 7:14:36 PM
    Author       : Srabani
--%>
<%@ taglib uri = "http://java.sun.com/jsp/jstl/core" prefix =
"c" %>

<%@page import="mypackage.dto.Doctor"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.99.
0/css/materialize.min.css">
        <meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
        <link rel="stylesheet" href="style.css">
        <title>Doctor Registration Page</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.1/jquery
.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.100.
2/js/materialize.min.js"></script>
    </head>

    <body style="background: url(pat.png);background-
repeat:no-repeat;background-size: cover;
height:100%;">
        <a href="#" class="brand-logo"></a>
        <div class="drop">
            <ul class="drop_menu">
                <li><a href="index.jsp">Home</a></li>
                <li><a href="#about">About Us</a></li>
                <li><a href="feedback.jsp">Feedback</a></li>
            </ul>
        </div>
        <div class="login-registration-wrapper">
            <div class="loginBox">
                <div class="row">
                    <form class="col s12"
action="DoctorRegister" method="Post">
                        <div class="row">
                            <div class="input-field col s12">
                                <input id="emailid"
type="text" class="validate" name="emailid">
                                    <label for="emaild">Email
ID</label>

```

```

        </div>
    </div>
    <div class="row">
        <div class="input-field col s12">
            <input id="password"
type="password" class="validate" name="password">
            <label
for="password">Password</label>
        </div>
    </div>
    <div class="row">
        <div class="col s12">
            <button class="btn waves-
effect waves-light" type="submit" name="docLogin"
value="login">Log In</button>
        </div>
    </div>
</form>
</div>
<div class="row">
    <div class="col s12">
        <p class="register-label">New Member?
Need to Register First </p>
        <% String dc = (String)
request.getAttribute("dcLogin");
                Doctor doc;
                if
(request.getAttribute("dReport") != null) {
                    doc = (Doctor)
request.getAttribute("dReport");
                } else {
                    dc = "0";
                }
                if (dc == null) {
                    dc = "0";
                }
        %>
        <center>
            <h5 style="color : darkred;"
            <% if (dc.equals("-1"))
{%>>User Authentication failed : Email ID or Password is
invalid<%}%></h5>
        </center>
    </div>
</div>
</div>
<div class="register-wrapper">
    <div class="row">

```

```

        <form class="col s12"
action="DoctorRegister" method="Post" onsubmit="return
checkForm(this)">
            <div class="row">
                <div class="input-field col s6">
                    <input placeholder="Enter
First Name" id="first_name" type="text" class="validate"
name="docFirstName" required>
                        <label for="first_name">First
Name</label>
                    </div>
                <div class="input-field col s6">
                    <input placeholder="Enter
First Name" id="last_name" type="text" class="validate"
name="docLastName" required>
                        <label for="last_name">Last
Name</label>
                    </div>
                </div>
            <div class="input-field col s12">
                <select name="docDegree" multiple
required>
                    <option value="" disabled
selected>Choose your degree(s)</option>
                    <option
value="MBBS">MBBS</option>
                    <option
value="BMBS">BMBS</option>
                    <option
value="MBChB">MBChB</option>
                    <option
value="MBBCh">MBBCh</option>
                    <option value="MD">MD</option>
                    <option
value="Dr.MuD">Dr.MuD</option>
                    <option
value="Dr.Med">Dr.Med</option>
                    <option value="DO">DO</option>
                    <option
value="PhD">PhD</option>
                    <option
value="MSc">MSc</option>
                    <option
value="MSurg">MSurg</option>
                    <option value="DS">DS</option>
                    <option
value="DSurg">DSurg</option>
                </select>
                <label>Qualification</label>
            </div>

```

```

                <div class="input-field col s12">
                    <select name="docType" required>
                        <option value="" disabled
selected>Choose your option</option>
                        <option
value="Allergists/Immunologists">Allergists/Immunologists</opt
ion>
                        <option
value="Anesthesiologists">Anesthesiologists</option>
                        <option value="General
Surgeons">General Surgeons</option>
                        <option
value="Dermatologists">Dermatologists</option>
                        <option
value="Cardiologists">Cardiologists</option>
                        <option
value="Endocrinologists">Endocrinologists </option>
                        <option
value="Gastroenterologists ">Gastroenterologists </option>
                        <option
value="Hematologists">Hematologists</option>
                        <option
value="Nephrologists">Nephrologists</option>
                        <option
value="Neurologists">Neurologists</option>
                        <option value="Obstetricians
and Gynecologists">Obstetricians and Gynecologists </option>
                        <option
value="Psychiatrists">Psychiatrists</option>
                    </select>
                    <label>Specialization</label>
                </div>
                <div class="input-field col s12">
                    <select name="docGender" required>
                        <option value="" disabled
selected>Choose your option</option>
                        <option
value="Male">Male</option>
                        <option
value="Female">Female</option>
                        <option
value="Others">Others</option>
                    </select>
                    <label>Gender</label>
                </div>
                <div class="row">
                    <div class="input-field col s12">
                        <input placeholder="Enter 10
digit number" id="phno" type="text" class="validate"
name="docContact" required>

```

```

                                <label for="phno">Contact
Number</label>
                                </div>
                                </div>
                                <div class="row">
                                    <div class="input-field col s12">
                                        <input id="docEmail"
type="text" class="validate" name="docEmailid"
placeholder="Enter your email id" required>
                                        <label
for="docEmail">Email</label>
                                    </div>
                                </div>
                                <div class="row">
                                    <div class="input-field col s12">
                                        <input placeholder="Enter
alphaNumeric password. E.g., Abc@1234" id="password"
type="password" class="validate" name="pwd1" required>
                                        <label
for="password">Password</label>
                                    </div>
                                </div>
                                <div class="row">
                                    <div class="input-field col s12">
                                        <input placeholder="Re-enter
your password" id="password" type="password" class="validate"
name="pwd2" required>
                                        <label for="password">Confirm
Password</label>
                                    </div>
                                </div>
                                <div class="row">
                                    <div class="input-field col s12">
                                        <input id="hospital"
type="text" class="validate" name="hospital"
placeholder="Enter hospital name" required>
                                        <label for="hospital">Hospital
Name</label>
                                    </div>
                                </div>
                                <div class="input-field col s12">
                                    <select name="exp" required>
                                        <option value="" disabled
selected>Choose your option</option>
                                        <option value="1 Years">1
Years</option>
                                        <option value="2 Years">2
Years</option>

```



```

Years</option>          <option value="3 Years">3
Years</option>          <option value="4 Years">4
Years</option>          <option value="">5 Years">>5
Years</option>
                        </select>
                        <label>Experience</label>
</div>
<div class="input-field col s12">
  <select name="date" multiple
required>
                                <option value="" disabled
selected>Choose Your Options</option>
                                <option
value="Monday">Monday</option>
                                <option
value="Tuesday">Tuesday</option>
                                <option
value="Wednesday">Wednesday</option>
                                <option
value="Thursday">Thursday</option>
                                <option
value="Friday">Friday</option>
                                <option
value="Saturday">Saturday</option>
                                <option
value="Sunday">Sunday</option>
                                </select>
                                <label>Available Day</label>
</div>
<div class="row">
  <div class="input-field col s12">
    <label>Available Start
Time</label>
                                <input type="text"
class="timepicker" name="time" placeholder="Choose your
available start time" required>
                                </div>
  </div>
  <div class="row">
    <div class="input-field col s12">
      <input type="text"
class="timepicker" name="time1" placeholder="Choose your
available end time" required>
      <label>End Time</label>
    </div>
  </div>
</div>
<div class="row">

```

```

                <div class="col s12">
                    <button class="btn waves-
effect waves-light" type="submit" name="docRegister"
>Register</button>
                </div>
            </div>
        </form>
    </div>
</div>
<script type="text/javascript">

```

```

    $(document).ready(function () {
        Materialize.updateTextFields();
    });

    $(document).ready(function () {
        $('select').material_select();

    });
    $('.timepicker').pickatime({
        autoclose: true,
    });

    function checkForm(form) {
        if (form.pwd1.value != "" && form.pwd1.value
== form.pwd2.value) {
            if (form.pwd1.value.length < 6) {
                alert("Error: Password must contain at
least six characters!");
                form.pwd1.focus();
                return false;
            }
            if (form.pwd1.value == form.rid.value) {
                alert("Error: Password must be
different from emailid!");
                form.pwd1.focus();
                return false;
            }
            re = /[0-9]/;
            if (!re.test(form.pwd1.value)) {
                alert("Error: password must contain at
least one number (0-9)!");
                form.pwd1.focus();
                return false;
            }
            re = /[a-z]/;
            if (!re.test(form.pwd1.value)) {
                alert("Error: password must contain at
least one lowercase letter (a-z)!");
            }
        }
    }

```

```

        form.pwd1.focus();
        return false;
    }
    re = /[A-Z]/;
    if (!re.test(form.pwd1.value)) {
        alert("Error: password must contain at
least one uppercase letter (A-Z)!");
        form.pwd1.focus();
        return false;
    }
    } else {
        alert("Error: Please check that you've
entered and confirmed your password!");
        form.pwd1.focus();
        return false;
    }
    return true;
}
</script>
<center>
<h5 style="color : darkred;">
<c:if test="{not empty dcInsert}">
<c:out value="{dcInsert}"/>
<c:set var="dcInsert" value=""
scope="session"/>
</c:if>
<c:if test="{not empty dcErr}">
<c:out value="{dcErr}"/>
<c:set var="dcErr" value="" scope="session"/>
</c:if>
</h5>
</center>
</body>
</html>

```

## 8.2 payment.jsp

```

<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Patient Page</title>
<link rel="stylesheet" href="style.css">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/boot
strap.min.css">

```

```

        <link                                rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    </head>
    <body    style="background:        url(pat.png);background-
repeat:no-repeat;background-size: cover;
        height:100%;">
        <a href="#" class="brand-logo"></a>

    <div class="drop">
        <ul class="drop_menu">
            <li><a href="patientLogin.jsp">Logout</a></li>
        </ul>
    </div>
    <br><br>
<center>
    <form action="Eservlet" method="post">
        <%
            HttpSession sess = request.getSession(false);

System.out.println(sess.getAttribute("username"));
            Date dt=new Date();
            java.sql.Timestamp    sqlTimestamp    =    new
java.sql.Timestamp(dt.getTime());
        %>
        <div class="container">
            <h3>Payment</h3>
            <label>Rs.300/-</label><br>
            <label>Accepted Cards</label>
            <div class="icon-container">
                <i                class="fa                fa-cc-visa"
style="color:navy;"></i>
                <i                class="fa                fa-cc-amex"
style="color:blue;"></i>
                <i                class="fa                fa-cc-mastercard"
style="color:red;"></i>
                <i                class="fa                fa-cc-discover"
style="color:orange;"></i>
            </div>
            <label>Name on Card</label>
            <input type="text" id="cname" name="cardname"
placeholder="John More Doe">
            <br>
            <label>Credit card number</label>
            <input type="text" id="ccnum" name="cardnumber"
placeholder="1111-2222-3333-4444">
            <br>
            <label>Exp Month</label>
            <input type="text" id="expmonth" name="expmonth"
placeholder="September">

```

```

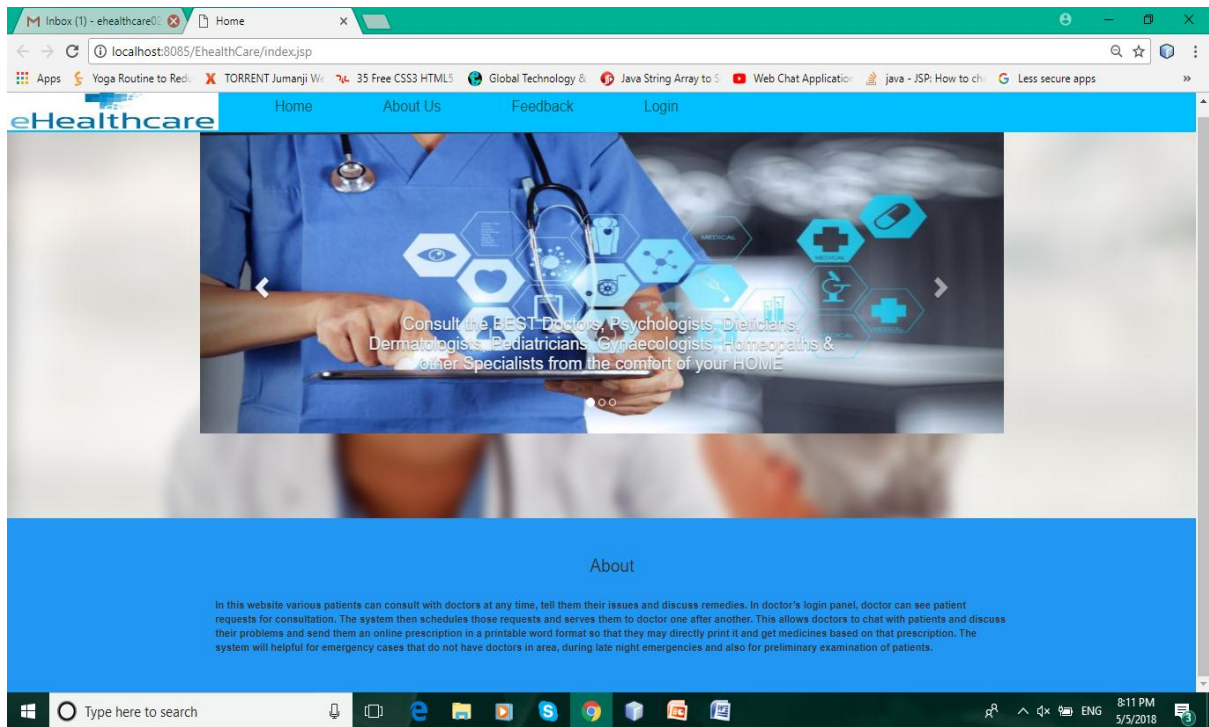
        <br>
        <label>Exp Year</label>
        <input type="text" id="expyear" name="expyear"
placeholder="2018">
        <br>
        <label>CVV</label>
        <input type="password" id="cvv" name="cvv"
placeholder="352">
        <br>
        <input type="hidden"
value="<%=request.getParameter("dmail")%>" name="dmail">
        <input type="hidden"
value="<%=request.getParameter("times")%>" name="time">
        <input type="hidden" name="pmail"
value="<%=sess.getAttribute("username")%>">
        <input type="hidden"
value="<%=request.getParameter("days")%>" name="day">
        <input type="hidden" value="<%=sqlTimestamp%>"
name="date">
        <input type="submit" value="Continue to checkout"
class="btnn" name="payment">
        <%

System.out.println("day,time"+request.getParameter("times")+","
"+request.getParameter("days"));
        %>
    </div>
</form>
</center>
</body>
</html>

```

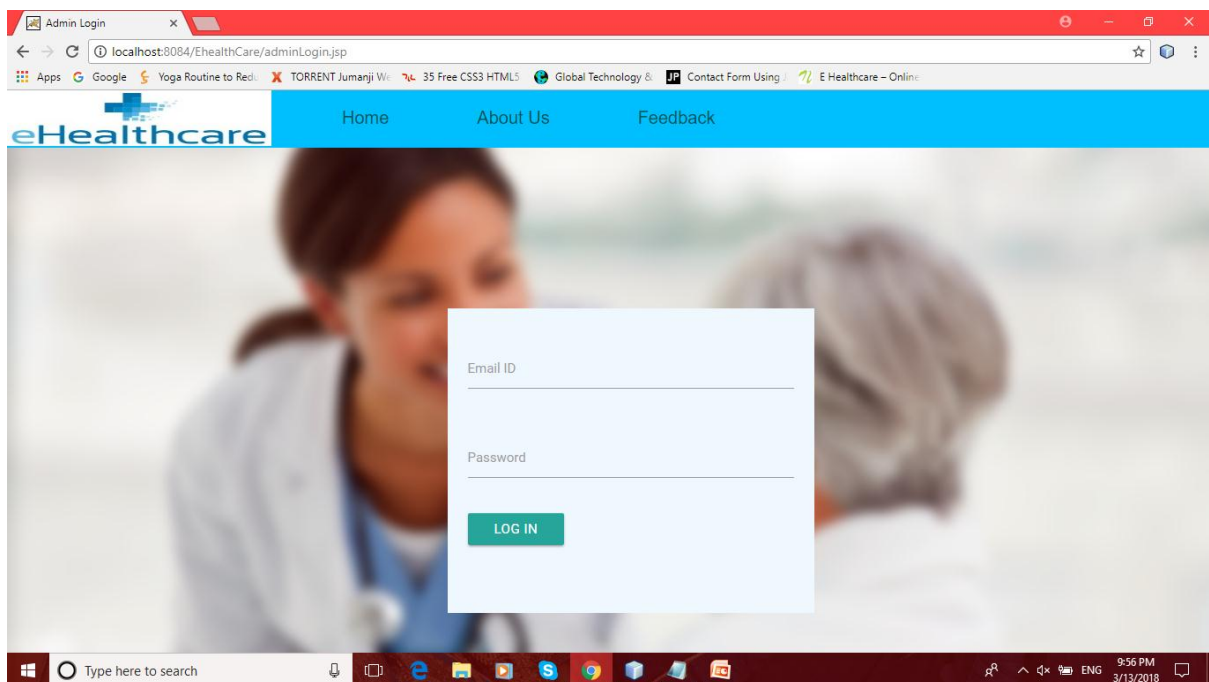
## 9. Website Snapshots

### 9.1 Home Page



When someone enters to the website, first the home page will be appeared. In this page, about of this website is shown.

## 9.2 Admin Login Page



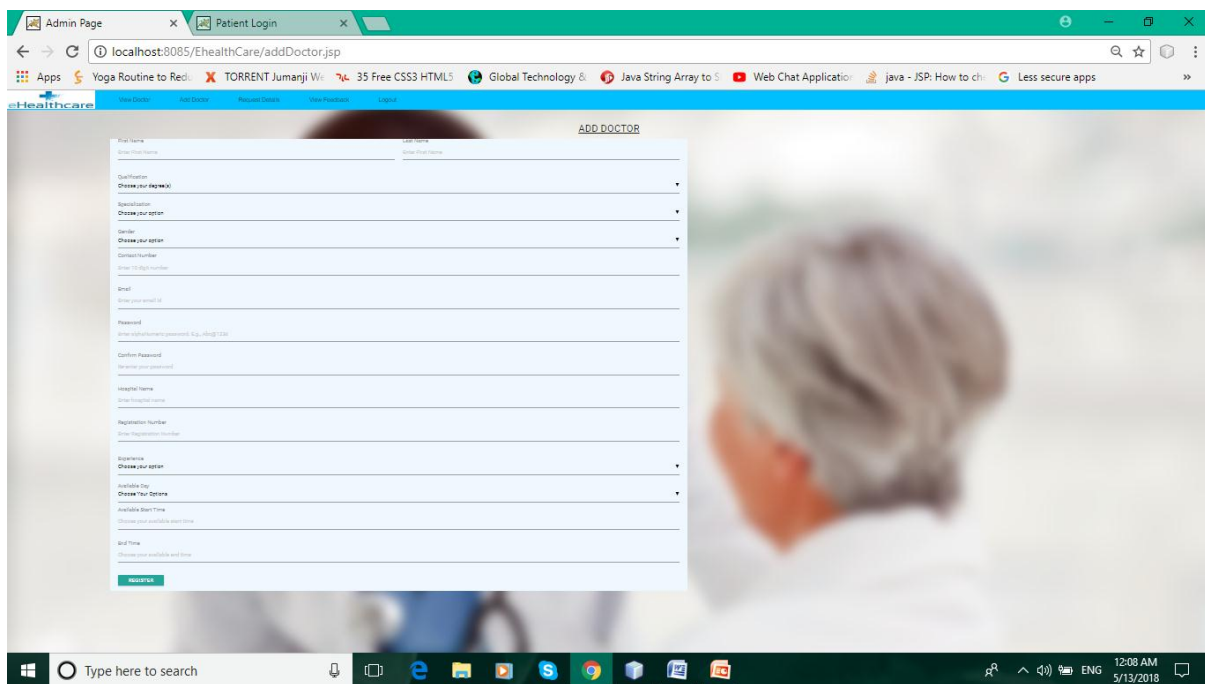
In this page, admin can login after give valid email id and password.

### 9.3 After Admin Login Page



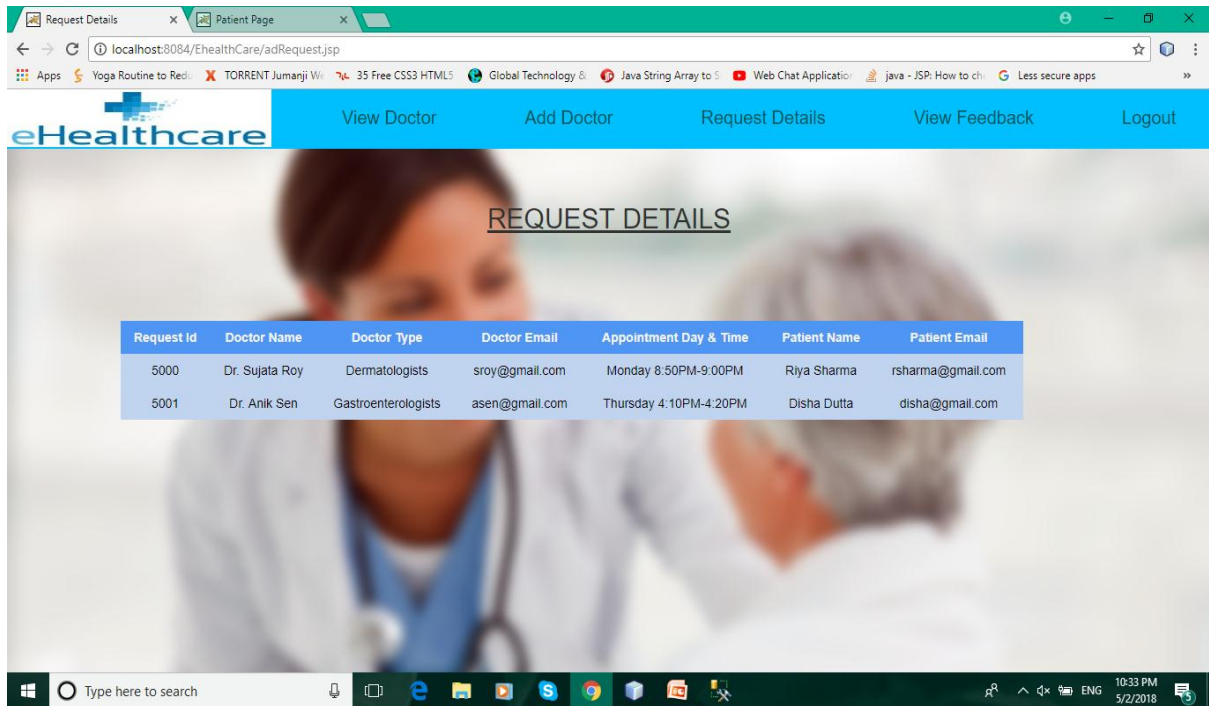
In this page, admin can see all the details about doctor have been registered on the website and admin can delete any of the doctor's registration from the website by click on the delete button.

### 9.4 Add Doctor



In this page admin can add doctor.

## 9.5 Request Details Page

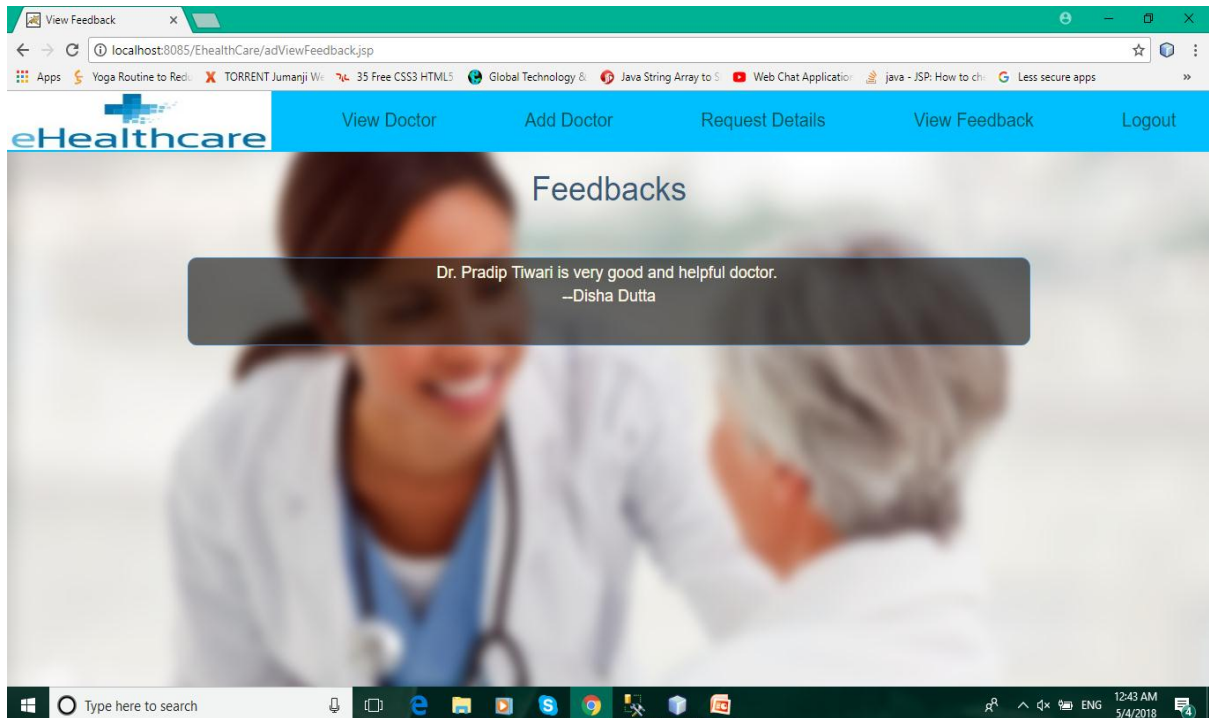


The screenshot shows a web browser window with the URL `localhost:8084/EhealthCare/adRequest.jsp`. The page title is "REQUEST DETAILS". The navigation menu includes "View Doctor", "Add Doctor", "Request Details", "View Feedback", and "Logout". The main content area displays a table with the following data:

Request Id	Doctor Name	Doctor Type	Doctor Email	Appointment Day & Time	Patient Name	Patient Email
5000	Dr. Sujata Roy	Dermatologists	sroy@gmail.com	Monday 8:50PM-9:00PM	Riya Sharma	rsharma@gmail.com
5001	Dr. Anik Sen	Gastroenterologists	asen@gmail.com	Thursday 4:10PM-4:20PM	Disha Dutta	disha@gmail.com

In this page, admin sees all the chat details.

## 9.6 View Feedback Page



The screenshot shows a web browser window with the URL `localhost:8085/EhealthCare/adViewFeedback.jsp`. The page title is "Feedbacks". The navigation menu includes "View Doctor", "Add Doctor", "Request Details", "View Feedback", and "Logout". The main content area displays a feedback message:

Dr. Pradip Tiwari is very good and helpful doctor.  
—Disha Dutta

In this page admin can see the details of feedback given by patients.



## 9.7 Doctor Login and Registration Page

The screenshot shows a web browser window displaying the 'Doctor Registration Page'. The page has a blue header with the 'eHealthcare' logo and navigation links for 'Home', 'About Us', and 'Feedback'. The main content area is divided into two sections. On the left, there is a login form with fields for 'Email ID' and 'Password', a green 'LOG IN' button, and a link that says 'New Member? Need to Register First'. On the right, there is a registration form with fields for 'First Name', 'Last Name', 'Qualification', 'Specialisation', 'Contact Number', 'Email', 'Password', 'Confirm Password', and 'Hospital Name', along with a green 'REGISTER' button. The background of the page features a blurred image of a doctor in a white coat.

In this page, doctor can register on the website by filling the right side form and they can login on the website after registration by giving registered email id and password on the left side form.

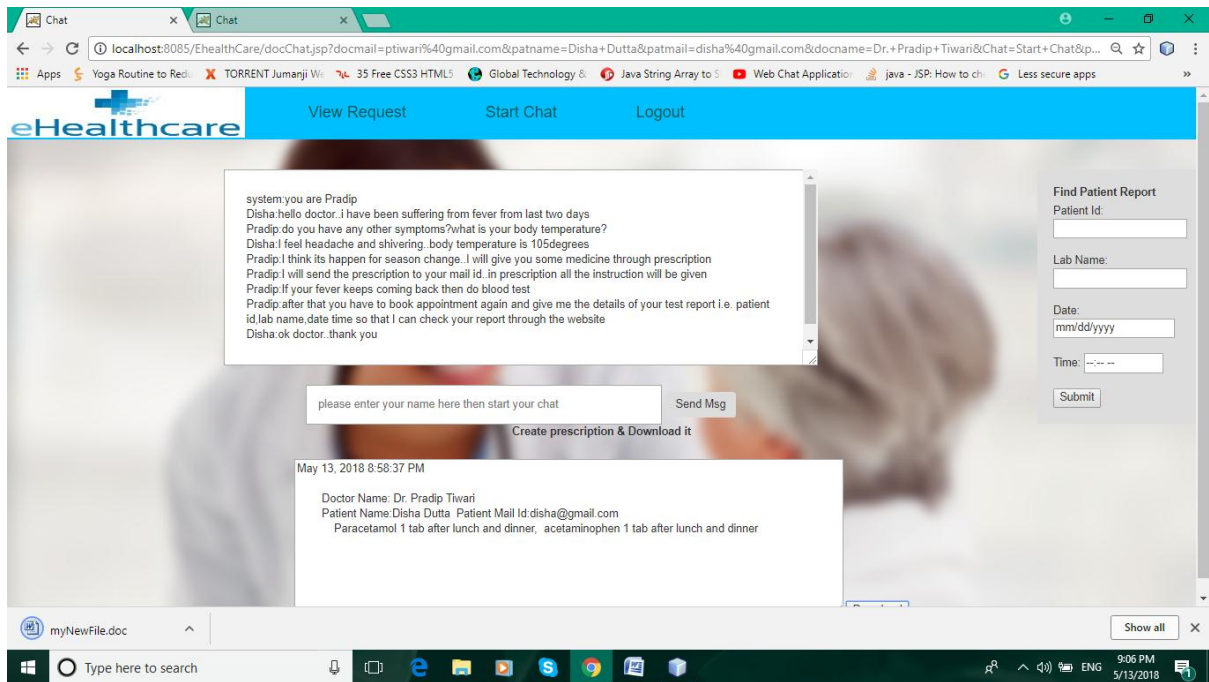
## 9.8 After Doctor Login Page

The screenshot shows a web browser window displaying the 'Doctor Page' after login. The page has a blue header with the 'eHealthcare' logo and navigation links for 'View Request', 'Start Chat', and 'Logout'. The main content area displays 'VIEW PATIENT'S REQUEST' and a table with patient request details. The table has columns for Request Id, Patient Name, Mobile No, Email Id, Day, Time, and Action. The background of the page features a blurred image of a doctor in a white coat.

Request Id	Patient Name	Mobile No	Email Id	Day	Time	Action
5002	Disha Dutta	7278657239	disha@gmail.com	Thursday	10:10PM-10:20PM	Start Chat
5004	Bidya Das	8981134576	bdas1294@gmail.com	Saturday	9:30PM-9:40PM	Start Chat

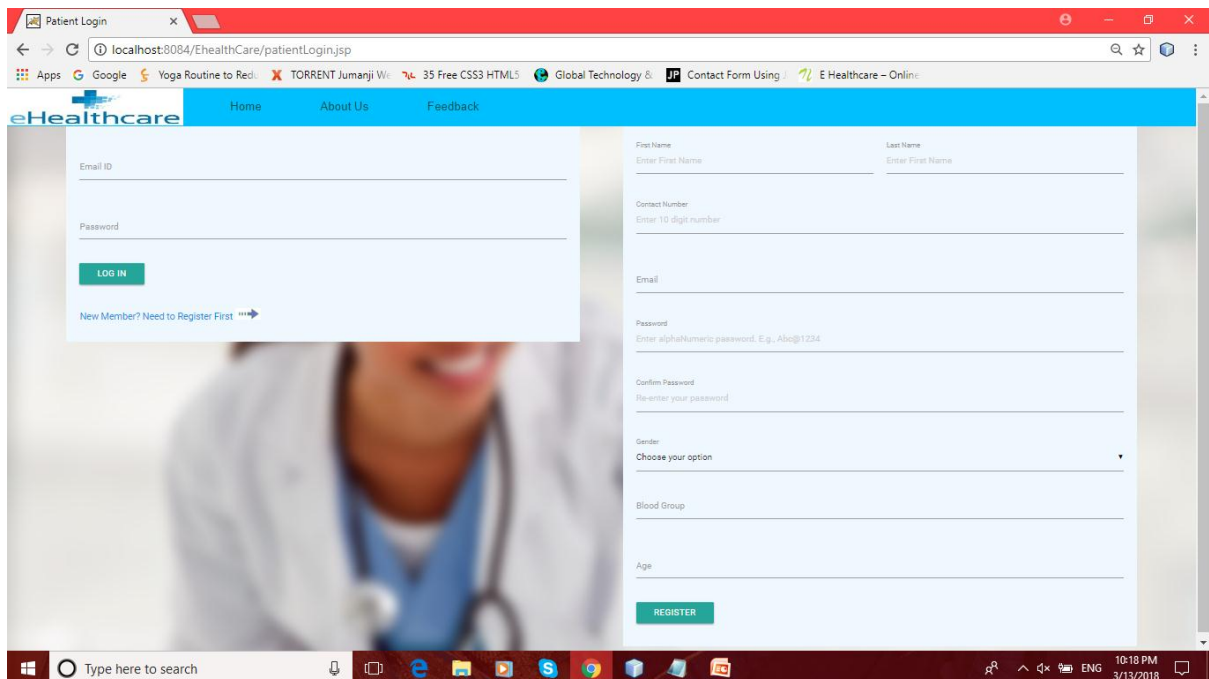
In this page, the logged in doctor can see the patient's request.

## 9.9 Doctor Chat Page



In this page, doctor can chat with the patient after clicking on start chat button. Doctor can generate a prescription in word format and download it by click on the download button and they can send this to patient email id. Doctor also can see the patient's test report if patient provides patient id ,lab name, time and date of test.

## 9.10 Patient Registration and Login Page



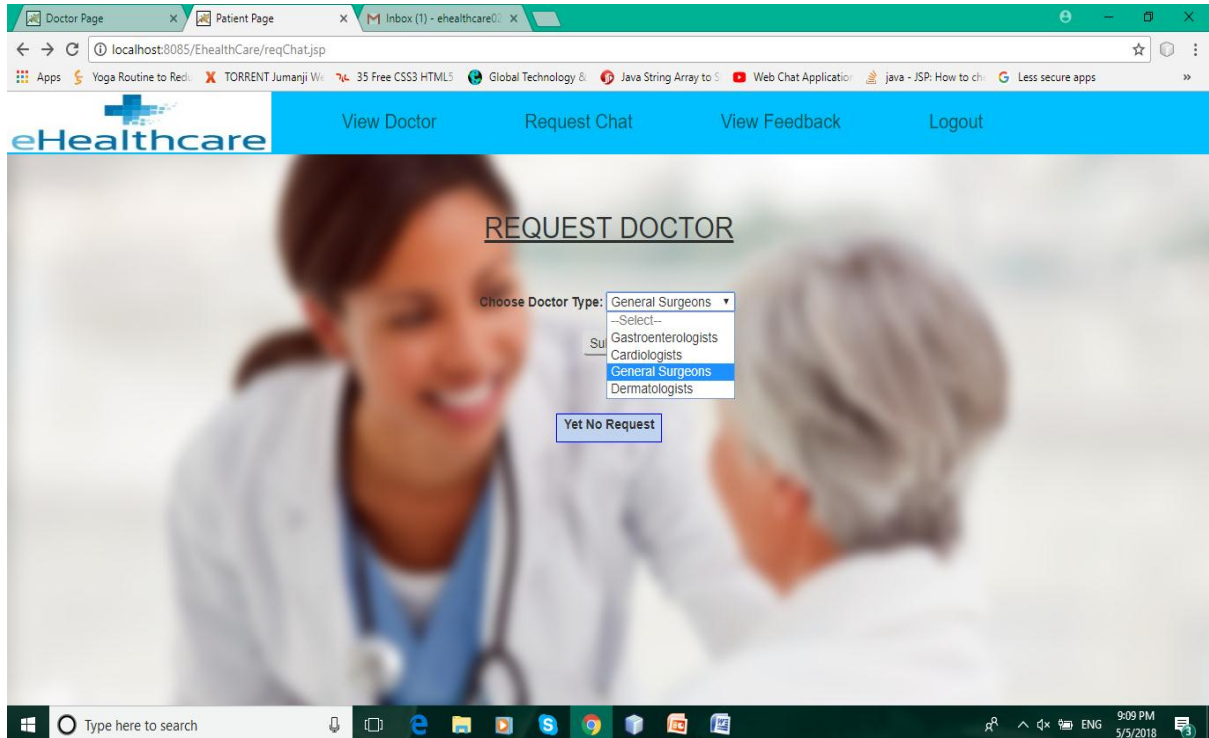
In this page, register on the website by filling the right side form and they can login on the website after registration by giving registered email id and password on the left side form.

## 9.11 After Patient Login Page



In this page, patient can see all the details of registered doctor.

## 9.12 Search Doctor Page



In this page, patient can choose doctor type. According to doctor type respective doctor details will be appeared.

## 9.13 Request Doctor Page

Doctor Id	Doctor Name	Type	Qualification	Mobile No	Email Id	Hospital Name	Available Day	Available Time	Action
103	Dr Pradip Tiwari	General Surgeons	MBBS,MD,Dr.Med	9830846715	ptiwari@gmail.com	AMRI Hospitals	Thursday, Friday, Saturday	9:30PM 10:30PM	Book your schedule

After choose doctor type respective doctor details is shown. In this page patient can book chat schedule by clicking on the book your schedule button. If patient not booked any appointment then a message 'yet no request' will be shown on the same page.

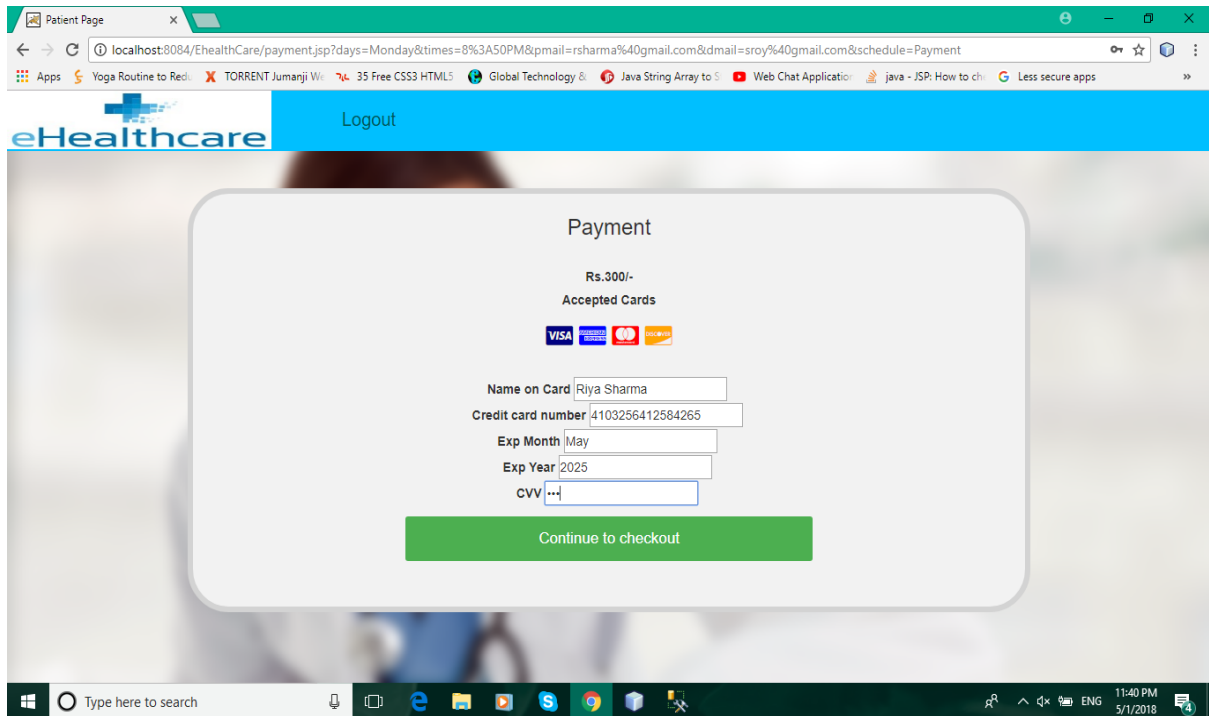
## 9.14 Schedule Appointment Page

localhost:8085 says  
You have to pay Rs:300 as consultation fees. Click ok to continue payment.

OK

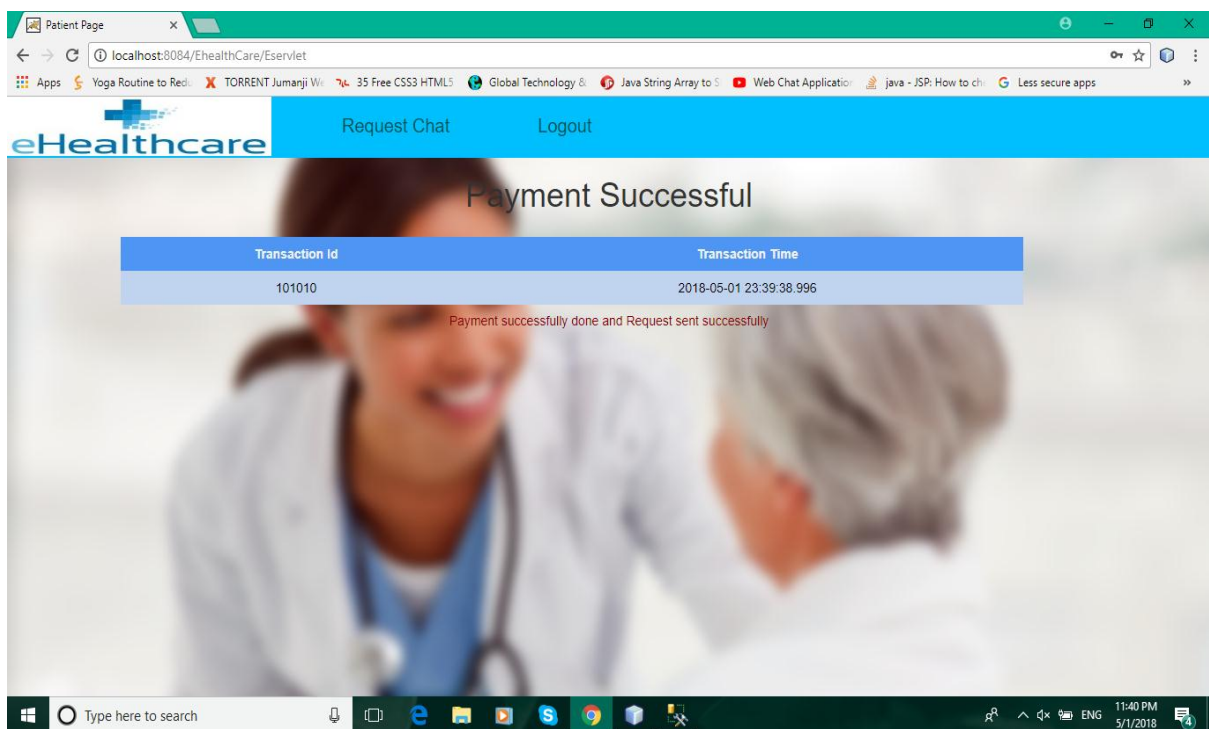
In this page patient choose the day and time at which they are available for chat with doctor. After choosing the schedule they must be pay Rs.300 as consultation fees.

## 9.15 Payment Page



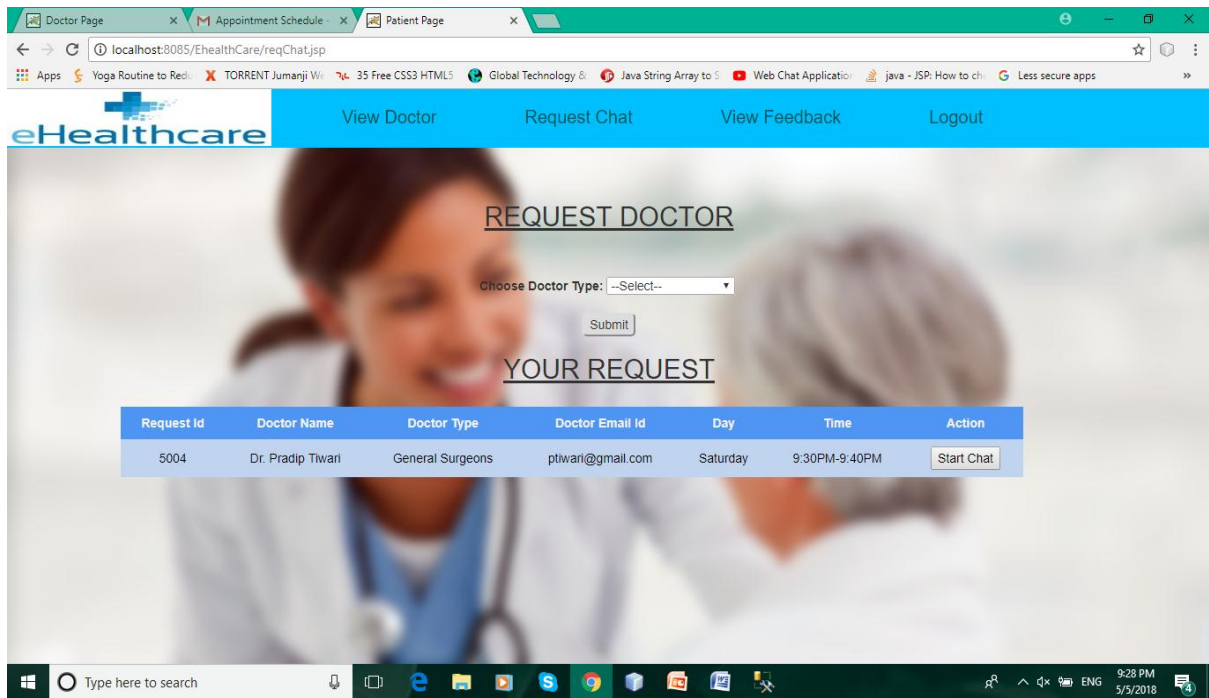
In this page patient give their debit/credit card details to pay 300/-.

## 9.16 Payment Confirmation Page



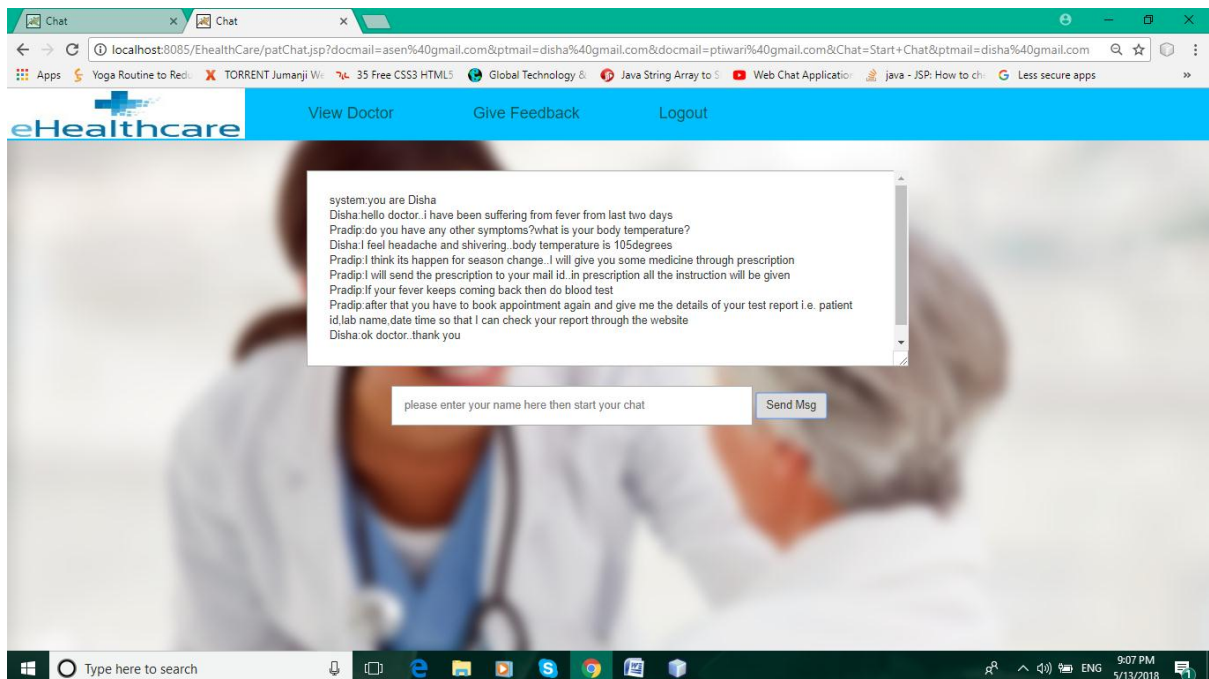
In this page patient gets confirmation details about payment.

## 9.17 Request Showing Page



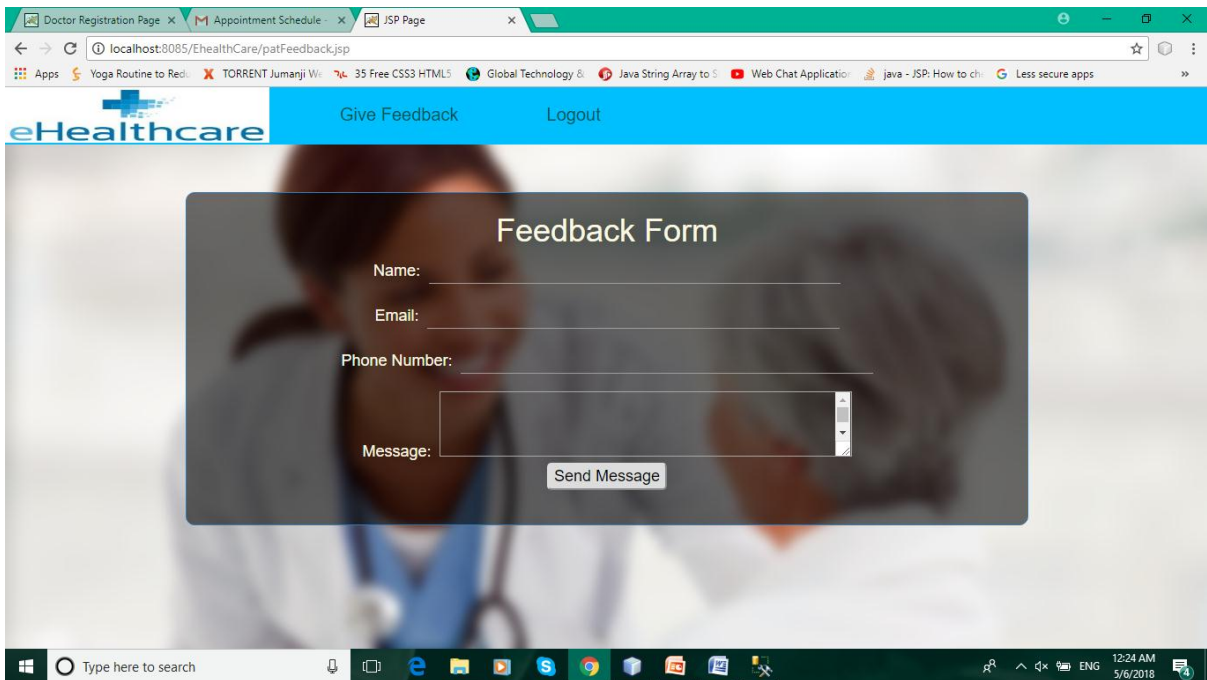
In this page, patient can see their request details for chat with doctor after make payment successfully.

## 9. 18 Patient Chat Page



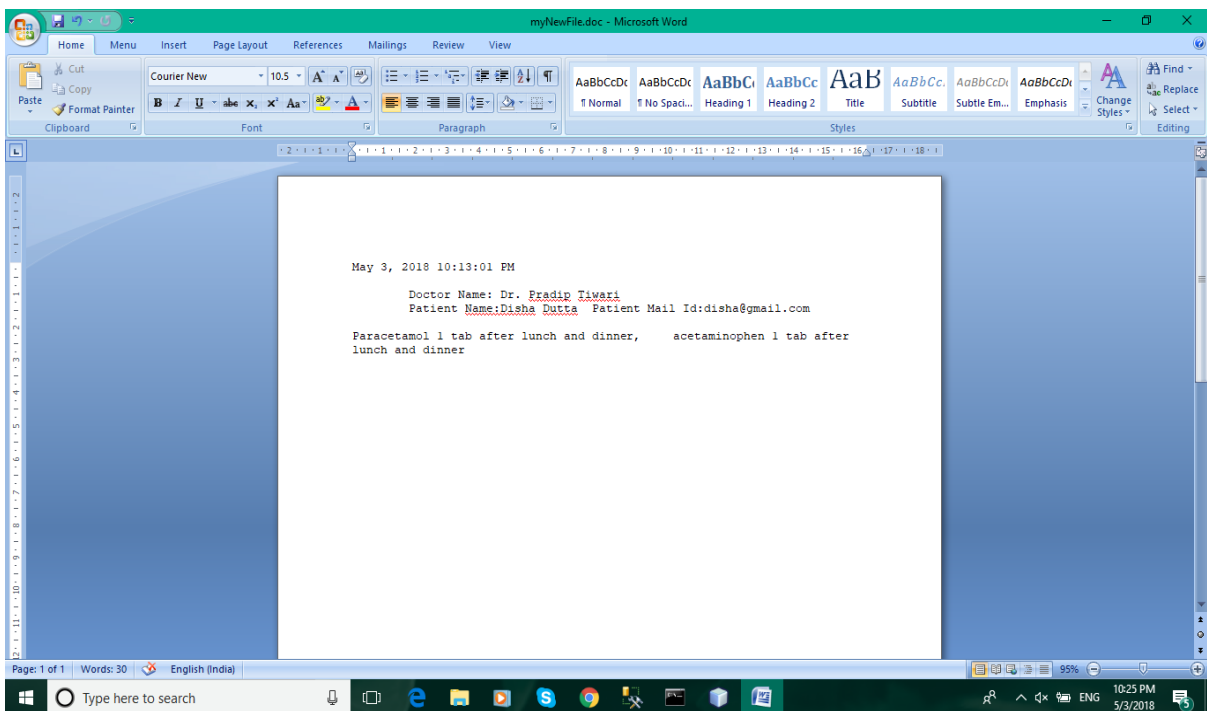
In this page, patient can chat with the doctor which is chosen by him/her after click on start chat button on previous page.

## 9. 19 Feedback Page



In this page, patient can give feedback about doctor after chatting with doctor or they can give feedback through home page.

## 9. 20 Prescription Download Page



In this page, doctor can create prescription in printable word format which they can send to patient via email.

## **10. FEATURES OF THE WEBSITE**

Following are the salient features of the website:

- Easy to read, understand and navigate.
- Visitors will have a clear understanding of the website when they visit.
- This website is easily compatible with most of the browsers such as Google Chrome, Mozilla Firefox and Microsoft Internet Explorer etc.
- The website is highly secured. During login if doctor/patient give invalid email\_id or password then a message will appear on the page that doctor/patient give invalid email\_id or password and can't login until they give valid email\_id and password.
- Patient can take schedule for online chat with doctor which is given by doctor.
- Patient must be paid Rs.300/- as consultation fees through online transaction.
- Doctor receives email about time schedule of online chat from website after patient make payment.
- Doctor and patient both must be online at that time which is chosen by patient for online chat.
- Doctor can generate a word format prescription which can be sent to patient via email.

## **11. FUTURE SCOPE OF THE WORK**



- The development process of this website can be easily followed by adding new features to the site as and when the user requires. This might also lead to a possible enhancement of flexibility between the modules.
- As it is a localhost(apache tomcat) based website that's why this not a real time project. But in future we must be host our website as a real time project. We will buy the domain 'E-Healthcare' and host it in server.
- We must host our project in server for payment method. Any payment method can be included in the website.
- The application can be developed in such a way that it will provide all the features that the website already does.

## **12. CONCLUSION**

This is a unique website where patients from anywhere can consult with doctors online and can save their time. Till date there are no other website where we can see the entire above mentioned module. This website is most useful for a patient because he/she can consult with doctor immediately in emergency case.

## **13. BIBLIOGRAPHY**

The various sources of constant help during our project are:-

- [www.stackoverflow.com](http://www.stackoverflow.com)
- [www.tutorialspoint.com](http://www.tutorialspoint.com)
- [www.w3schools.com](http://www.w3schools.com)

