Web page for

Patient Rehabilitation data storage**CONTENTS**

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**CHAPTER 1**

**INTRODUCTION**

1. **INTRODUCTION**

Rehabilitation is a treatment or treatments designed to facilitate the process of recovery from injury, illness, or disease to as normal a condition as possible. The purpose of rehabilitation restore some or all of the patients physical sensory and mental capabilities that were lost due to injuries, illness or disease. Rehabilitation should be carried out only by qualified therapist. So that this web application will reduce the work, also it will store the all the information required to treat the patient and we can access that information at any time.

The Rehabilitation System is a web based application that involves recovery of the patient and what and all the therapies the patient has undergone. This process makes it way more simpler to doctor and therapist to treat the patient by referring his report and update his report in very efficient way and also the patient can access it.

1. **PROBLEM STATEMENT**

In traditional way of rehabilitation the doctor and therapist maintains the patient report manually, and there is no intrapersonal communication between the doctor and therapist. In some case patient needs to change his therapist, then it is very difficult to know about his treatment. Hence this application can store the data for long time and retrieve it whenever needed.

**CHAPTER 2**

**LITERATURE WORK**

1. **HTML**

Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser.The markup tells web browsers how to display a web page's words and images.Html is the code that is uses to structure a web page and its content.  It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

1. **MATERIALIZED CSS**

Materialize is a UI component library created with CSS, JavaScript, and HTML. Materialize UI components help in constructing attractive, consistent, and functional web pages and web apps, while adhering to modern web design principles such as browser portability, device independence, and graceful degradation.

1. **PHP**

PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites. It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.

1. **XAMPP**

XAMPP is an abbreviation for cross-platform, Apache, MySQL, **PHP** and Perl, and it allows you to build WordPress site offline, on a local web server on your computer. This simple and lightweight solution works on Windows, Linux, and Mac – hence the “cross-platform” part. XAMPP is a free and open-source cross-platform.

1. **SUBLIME TEXT 3**

Sublime Text 3 (ST3) is a lightweight, cross-platform code editor known for its speed, ease of **use**, and strong community support. It's an incredible editor right out of the box, but the real power comes from the ability to enhance its functionality using Package Control and creating custom settings.

**CHAPTER 3**

**DESIGN**

1. **ENTITY RELATIONSHIP DIAGRAM:**

**Dr\_REPORT**

**DOCTOR**

**THERAPIST**

**EMAIL**

**PATIENT**

**REHVISIT**

**GENERATE**

**Thr\_REPORT**

**GENERATE**

**FINAL\_REPORT**

**GENERATE**

**GENERATE**

**ASSIGN**

AAAASUGAA

**EMAIL**

**PASSWORD**

**PASSWORD**

**PASSWORD**

**THR\_DESCRIPTION**

**DR\_DESCRIPTION**

**INJURY\_NAME**

**PID**

**TAKES**

**MID**

**M\_NAME**

**MEDICATION**

**mid**

**pid**

**DESCRIPTION**

**INJURYNAME**

**DESCRIPTION**

**INJURYNAME**

**USERNAME**

**PAT\_ID**

**USERNAME**

**EMAIL**

**THR\_ID**

**USERNAME**

**DR\_ID**

**ACCESSED\_BY**

**VISIT**

**MEDICATE**

An entityrelationshipdiagram (ERD) shows the relationships of entity sets stored in a database. These entities can have attributes that define its properties. By defining the entities, their attributes, and showing the relationships between them, an ERdiagram illustrates the logical structure of databases.In our ERD it is clearly shown above there are seven entities which are Doctor, Therapist, Patient, Medication, Dr\_report, Thr\_report and Final\_report. And the attributes are shown respectively. The relationships are Patient assign doctor for himself and Doctor medicate the Patient according to his injury also he will assign one therapist to him. Doctor will generate one Dr\_report and Therapist will Generate Thr\_report and it will be generate to Final\_report which is accessed by Patient.

1. **RELATIONAL SCHEMA DIAGRAM**

**PATIENT**

**PID USERNAME EMAIL PASSWORD**

**DOCTOR**

**DID USERNAME EMAIL PASSWORD**

**THERAPIST**

**TID USERNAME EMAIL PASSWORD**

**MEDICINE**

**MID M\_NAME**

**PT\_VISIT**

**PID DID**

**THR\_ASSIGN**

**PID TID**

**MEDICATE**

**PID MID**

**DR\_REPORT**

**PID DID INJURYNAME DESCRIPTION**

**THR\_REPORT**

**PID TID THERAPYNAME DESCRIPTION**

**FINAL\_REPORT**

**PID INJURYNAME DR\_DESCRIPTION THR\_DESCRIPTION**

Relationalschema refers to the meta-data that describes the structure of data within a certain domain. It is the blueprint of a database that outlines the way its structure organizes data into tables. The term "schema" refers to the organization of data as a blueprint of how the database is constructed (divided into database tables in the case of relational databases). The formal definition of a database schema is a set of formulas (sentences) called integrity constraints imposed on a database.In our relational schema PID of patient, DID of doctor TID of therapist, MID of medicine are the primary key. The foreign keys are shown in schema clearly and it is related respectively.

**CHAPTER 4**

**IMPLEMENTATION**

1. **Login.php :** This page contain the login page in which we have login for doctor, patient and therapist.

<?php

ob\_start();

include('config/db\_connect.php');

$d\_username=$d\_password=$t\_username=$t\_password=$p\_username=$p\_password='';

$errors=array('d\_username'=>'','d\_password'=>'','t\_username'=>'','t\_password'=>'','p\_username'=>'','p\_password'=>'');

$proceed=1;

if (isset($\_POST['d\_submit'])) {

if (empty($\_POST['d\_username'])) {

$errors['d\_username'] ='username is required';

$proceed=0;

}

else{

$d\_username=$\_POST['d\_username'];

}

if (empty($\_POST['d\_password'])) {

$errors['d\_password']='password is required';

$proceed=0;

}

else{

$d\_password=$\_POST['d\_password'];

}

if($proceed==1)

{

$sql = "SELECT \* FROM doctor WHERE username ='$d\_username' and password = '$d\_password'";

$result = mysqli\_query($conn,$sql);

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

$count = mysqli\_num\_rows($result);

// If result matched $myusername and $mypassword, table row must be 1 row

if($count == 1) {

echo $row[id];

session\_start();

$\_SESSION['d\_id']=$row['id'];

$\_SESSION['d\_user']=$row['username'];

$\_SESSION['d\_email']=$row['email'];

header("location: doctor/doctor.php");

}else {

$errors['d\_password'] = "Your Login Name or Password is invalid";

}

mysqli\_free\_result($result);

}

}

else

{

echo '';

}

if (isset($\_POST['t\_submit'])) {

if (empty($\_POST['t\_username'])) {

$errors['t\_username'] ='username is required';

$proceed=0;

}

else{

$t\_username=$\_POST['t\_username'];

}

if (empty($\_POST['t\_password'])) {

$errors['t\_password']='password is required';

$proceed=0;

}

else{

$t\_password=$\_POST['t\_password'];

}if($proceed==1)

{

$sql = "SELECT \* FROM therapist WHERE username ='$t\_username' and password = '$t\_password'";

$result = mysqli\_query($conn,$sql);

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

$count = mysqli\_num\_rows($result);

// If result matched $myusername and $mypassword, table row must be 1 row

if($count == 1) {

echo $row[id];

session\_start();

$\_SESSION['t\_id']=$row['id'];

$\_SESSION['t\_user']=$row['username'];

$\_SESSION['t\_email']=$row['email'];

header("location: therapist/therapist.php");

}else {

$errors['t\_password'] = "Your Login Name or Password is invalid";

}

mysqli\_free\_result($result);

}

}

else

{

echo '';

}

if (isset($\_POST['p\_submit'])) {

if (empty($\_POST['p\_username'])) {

$errors['p\_username'] ='username is required';

$proceed=0;

}

else{

$p\_username=$\_POST['p\_username'];

}

if (empty($\_POST['p\_password'])) {

$errors['p\_password']='password is required';

$proceed=0;

}

else{

$p\_password=$\_POST['p\_password'];

}

if($proceed==1)

{

$sql = "SELECT \* FROM patient WHERE username ='$p\_username' and password = '$p\_password'";

$result = mysqli\_query($conn,$sql);

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

$count = mysqli\_num\_rows($result);

// If result matched $myusername and $mypassword, table row must be 1 row

if($count == 1) {

echo $row[id];

session\_start();

$\_SESSION['p\_id']=$row['id'];

$\_SESSION['p\_user']=$row['username'];

$\_SESSION['p\_email']=$row['email'];

header("location:patient/patient.php");

}else {

$errors['p\_password'] = "Your Login Name or Password is invalid";

}

mysqli\_free\_result($result);

}

}

else

{

echo '';

}

?>

<!DOCTYPE html>

<html>

<?php include('templates/header.php'); ?>

<li><a href="login.php" style="font-size: 20px;">Home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="container center-align" style="width: 500px;padding-top: 150px;">

<ul class="collapsible">

<li>

<divclass="collapsible-header container center-align"><i class="material-icons">local\_hospital</i>DOCTOR</div>

<div class="collapsible-body">

<div class="container center-align">

<form action="" method="POST">

<div class="row">

<div class="input-field col s6">

<input name="d\_username" id="first\_name" type="text" value="<?php echo htmlspecialchars($d\_username);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['d\_username']; ?></div>

<label for="first\_name">USERNAME</label>

</div>

</div>

<div class="row">

<div class="input-field col s6">

<input name="d\_password" id="first\_name" type="text" value="<?php echo htmlspecialchars($d\_password);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['d\_password']; ?></div>

<label for="first\_name">PASSWORD</label>

</div>

</div>

<div class="row" style="padding-right: 150px;">

<div class="center">

<input type="submit" name="d\_submit" value="SIGN IN" class="btn-small z-depth-0">

</div>

<h6>OR</h6>

<div class="btn-small yellow">

<a href="register.php">SIGN UP</a>

</div>

</div>

</form>

</div>

</div>

</li>

<li>

<div class="collapsible-header container center-align"><i class="material-icons">local\_hospital</i>THERAPIST</div>

<div class="collapsible-body">

<div class="container center-align">

<form action="" method="POST">

<div class="row">

<div class="input-field col s6">

<input name="t\_username" id="first\_name" type="text" value="<?php echo htmlspecialchars($t\_username);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['t\_username']; ?></div>

<label for="first\_name">USERNAME</label>

</div>

</div>

<div class="row">

<div class="input-field col s6">

<input name="t\_password" id="first\_name" type="text" value="<?php echo htmlspecialchars($t\_password);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['t\_password']; ?></div>

<label for="first\_name">PASSWORD</label>

</div>

</div>

<div class="row" style="padding-right: 150px;">

<div class="center">

<input type="submit" name="t\_submit" value="SIGN IN" class="btn-small z-depth-0">

</div>

<h6>OR</h6>

<div class="btn-small yellow">

<a href="register.php">SIGN UP</a>

</div>

</div>

</form>

</div>

</div>

</li>

<li>

<div class="collapsible-header container center-align"><i class="material-icons">local\_hospital</i>PATIENT</div>

<div class="collapsible-body">

<div class="container center-align">

<form action="" method="POST">

<div class="row">

<div class="input-field col s6">

<input name="p\_username" id="first\_name" type="text" value="<?php echo htmlspecialchars($p\_username);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['p\_username']; ?></div>

<label for="first\_name">USERNAME</label>

</div>

</div>

<div class="row">

<div class="input-field col s6">

<input name="p\_password" id="first\_name" type="text" value="<?php echo htmlspecialchars($p\_password);?>" >

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['p\_password']; ?></div>

<label for="first\_name">PASSWORD</label>

</div>

</div>

<div class="row" style="padding-right: 150px;">

<div class="center">

<input type="submit" name="p\_submit" value="SIGN IN" class="btn-small z-depth-0">

</div>

<h6>OR</h6>

<div class="btn-small yellow">

<a href="register.php">SIGN UP</a>

</div>

</div>

</form>

</div>

</div>

</li>

</ul>

<script type="text/javascript">

$(document).ready(function(){

$('.collapsible').collapsible();

});

</script>

</div>

</main>

<?php include('templates/footer.php'); ?>

</html>

1. **Register.php :** this page contain signup for doctor, patient and therapist.

<?php

ob\_start();

include('config/db\_connect.php');

$email=$name=$password=$role='';

$errors=array('email'=>'','name'=>'','password'=>'','role'=>'');

if (isset($\_POST['submit'])) {

if (empty($\_POST['email'])) {

$errors['email'] ='email is required';

}

else{

$email=$\_POST['email'];

if (!filter\_var($email,FILTER\_VALIDATE\_EMAIL)) {

$errors['email']='enter valid email address';

}

}

if (empty($\_POST['name'])) {

$errors['name']='username is required';

}

else{

$name=$\_POST['name'];

}

if (empty($\_POST['password'])) {

$errors['password']='password is required';

}

else{

$password=$\_POST['password'];

}

if (empty($\_POST['role'])) {

$errors['role']='select one option';

}

else{

$role=$\_POST['role'];

}

if (array\_filter($errors)) {

}

else{

$email=mysqli\_real\_escape\_string($conn,$\_POST['email']);

$name=mysqli\_real\_escape\_string($conn,$\_POST['name']);

$password=mysqli\_real\_escape\_string($conn,$\_POST['password']);

$role=mysqli\_real\_escape\_string($conn,$\_POST['role']);

$sql="SELECT \* FROM $role WHERE username='$name';";

$res=mysqli\_query($conn,$sql);

if ($res->num\_rows > 0){

$errors['name']='username exists';

}

else{

$sql="INSERT INTO $role(email,username,password) VALUES('$email','$name','$password')";

if (mysqli\_query($conn,$sql)) {

header('location: login.php');

}else{

echo 'query error'.mysqli\_error($conn);

}

}

}

}

else

{

echo '';

}

?>

<!DOCTYPE html>

<html>

<?php include('templates/header.php'); ?>

<li><a href="login.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="container" style="width:300px;padding-top: 50px;">

<form method="POST">

<div class="input-field col s12">

<select name="role">

<option value="" disabled selected>Choose your option</option>

<option value="doctor">DOCTOR</option>

<option value="therapist">THERAPIST</option>

<option value="patient">PATIENT</option>

</select>

<label>Register as</label>

</div>

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['role']; ?></div>

<label>Your email</label>

<input type="text" name="email" value="<?php echo htmlspecialchars($email);?>">

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['email']; ?></div>

<label>User Name</label>

<input type="text" name="name" value="<?php echo htmlspecialchars($name);?>">

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['name']; ?></div>

<label>password</label>

<input type="text" name="password" value="<?php echo htmlspecialchars($password);?>">

<div class="red-text left-align" style="width: 200px;"><?php echo $errors['password']; ?></div>

<div class="center">

<input type="submit" name="submit" value="submit" class="btn z-depth-0">

</div>

</form>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('templates/footer.php'); ?>

</html>

1. **Doctor**
2. **Doctor.php :** This page will open after the login of the doctor

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['d\_id'];

$user=$\_SESSION['d\_user'];

$email=$\_SESSION['d\_email'];

$sql = "SELECT id,username FROM patient,pt\_visit WHERE id=pid AND did='$id';";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="doctor.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="row" style="padding-left:1200px;padding-top: 10px;">

<a href="../login.php" class="btn green">log out</a>

</div>

<?php

if (isset($\_POST['submit1']))

{

$\_SESSION['np\_id']=$\_POST['n\_p'];

header('location: new\_patient.php');

}

if (isset($\_POST['submit2']))

{

$\_SESSION['np\_id']=$\_POST['e\_p'];

header('location: existing\_patient.php');

}

?>

<div class="container" style=" width: 400px; padding-top: 100px;">

<form method="POST">

<div class="input-field col s12" >

<select name="n\_p">

<option value="" disabled selected>select patients</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row['id']; ?>"><?php echo $row['username']; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected>No new patients</option>

<?php } ?>

</select>

<label style="color: green;">NEW PATIENTS</label>

<div class="center">

<input type="submit" name="submit1" value="proceed" class="btn-small z-depth-0">

</div>

</div>

<div class="input-field col s12" style="padding-top: 40px;">

<?php

$sql = "SELECT id,username FROM patient,doctor\_report WHERE id=pid AND did='$id';";

$result = $conn->query($sql);

?>

<select name="e\_p">

<option value="" disabled selected>Existing Patients</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row['id']; ?>"><?php echo $row['username']; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected>No new patients</option>

<?php } ?>

</select>

<label style="padding-top: 30px;color: green;">EXISTING PATIENTS</label>

<div class="center">

<input type="submit" name="submit2" value="proceed" class="btn-small z-depth-0">

</div>

</div>

</form>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Exixting\_patient.php :** This code will show the existing patient who is already logged in and patient generated a report of him.

<?php

include('../config/db\_connect.php');

session\_start();

$pid=$\_SESSION['np\_id'];

$id=$\_SESSION['d\_id'];

$user=$\_SESSION['d\_user'];

$email=$\_SESSION['d\_email'];

$sql = "SELECT \* FROM patient,therapist\_report WHERE id=pid AND pid='$pid';";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="doctor.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<div class="container" style="padding-top: 50px;">

<div class="row">

<ul class="collapsible">

<li>

<div class="collapsible-header">Therapist Report</div>

<div class="collapsible-body">

<div class="container">

<?php

if ($result->num\_rows > 0){

if($result){

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

?>

<div class="row">

<table>

<thead>

<tr>

<th>Patient</th>

<th><?php echo $row['username']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Therapy name</th>

<th style="padding-right: 80px;"><?php echo $row['therapy\_name']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Patient</th>

<th><?php echo $row['des']; ?></th>

</tr>

</thead>

</table>

</div>

<?php

}

}

else

{

?>

<div class="flow-text">Report not at generated</div>

<?php } ?>

</div>

</div>

</li>

</ul>

</div>

<div class="row">

<a href="report.php" class="btn">Genereate another report</a>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('.collapsible').collapsible();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **New\_patient.php :** This will show the patient who has logged but not tearted.

<?php

include('../config/db\_connect.php');

session\_start();

$user=$\_SESSION['d\_user'];

$email=$\_SESSION['d\_email'];

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="doctor.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="container" style="width: 300px;padding-top: 150px">

<a href="th\_assign.php" class="btn-large">Assign a Therapist</a>

</div>

<div class="container" style="width: 280px;padding-top: 50px">

<a href="report.php" class="btn-large">Generate Report</a>

</div>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Report.php :** This page is the report generated by the doctor.

<?php

include('../config/db\_connect.php');

session\_start();

$did=$\_SESSION['d\_id'];

$user=$\_SESSION['d\_user'];

$email=$\_SESSION['d\_email'];

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="doctor.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<?php

$id=$\_SESSION['np\_id'];

if (isset($\_POST['submit']))

{

$count=0;

if(isset($\_POST["med"]))

{

foreach ($\_POST['med'] as $m) {

$sql="INSERT INTO medicate values('$id','$m');";

mysqli\_query($conn,$sql);

$count+=1;

}

}

if($count>0)

echo "<div class='flow-text green'>Medicine successfully assigned</div>";

}

$errors=array('injury'=>'','des'=>'');

if(isset($\_POST['proceed']))

{

if (empty($\_POST['injury'])) {

$errors['injury']='Please fill this part';

}

else{

$injury=$\_POST['injury'];

}

if (empty($\_POST['des'])) {

$errors['des']='Please fill this part';

}

else{

$des=$\_POST['des'];

}

if (array\_filter($errors)) {

}

else

{

$sql="INSERT INTO doctor\_report values('$id','$did','$injury','$des');";

if (mysqli\_query($conn,$sql)) {

$sql="DELETE FROM pt\_visit WHERE pid='$id';";

mysqli\_query($conn,$sql);

header('location: doctor.php');

}

else

{

echo "<div class='green-text flow-text'>Report updated successfully</div>";

$sql="UPDATE doctor\_report SET injury\_name='$injury',des='$des' WHERE pid='$id';";

mysqli\_query($conn,$sql);

}

}

}

?>

<div class="container" style="padding-top: 50px;">

<div class="row">

<form class="col s12" method="POST">

<?php

$sql = "SELECT mid,name FROM medicene;";

$result = $conn->query($sql);

?>

<div class="row">

<div class="input-field col s12">

<select name = "med[]" multiple size = 6>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value = "<?php echo $row['mid']; ?>"><?php echo $row['name']; ?></option>

<?php

}

} else {

?>

<option value = "" disabled selected>There is no medicene</option>

<?php } ?>

</select>

<label>Medicines</label>

</div>

</div>

<div class="center">

<input type="submit" name="submit" value="Assign Medicines" class="btn z-depth-0">

</div>

</form>

</div>

<div class="row">

<form class="col s12" method="POST">

<div class="row">

<div class="red-text"><?php echo $errors['injury']; ?></div>

<div class="input-field col s6">

<input id="input\_text" type="text" data-length="10" name="injury">

<label for="input\_text">Injury name</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<textarea id="textarea2" class="materialize-textarea" data-length="120" name="des"></textarea>

<label for="textarea2">Description</label>

</div>

<div class="red-text"><?php echo $errors['des']; ?></div>

</div>

<div class="center">

<input type="submit" name="proceed" value="proceed" class="btn z-depth-0">

</div>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Th\_assign.php :** This page shows the doctor assigning therapist to the patient.

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['np\_id'];

$user=$\_SESSION['d\_user'];

$email=$\_SESSION['d\_email'];

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="doctor.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<div class="container" style="width:300px;padding-top: 110px;">

<?php

if (isset($\_POST['submit']))

{

$pid=$id;

$tid=$\_POST['therapist'];

$sql="INSERT INTO th\_assign values('$pid','$tid');";

if (mysqli\_query($conn,$sql)) {

header('location: new\_patient.php');

}else{

echo '<div class="red-text center-align" style="padding-bottom: 10px;">Already assigned with a Therapist</div>';

}

}

$sql = "SELECT id,username FROM therapist;";

$result = $conn->query($sql);

?>

<form method="POST">

<div class="input-field col s12">

<select name="therapist">

<option value="" disabled selected>SELECT THERAPIST</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row['id']; ?>"><?php echo $row['username']; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected>There are no Therapists</option>

<?php } ?>

</select>

</div>

<div class="center">

<input type="submit" name="submit" value="proceed" class="btn z-depth-0">

</div>

</form>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Patient.php :** This page will show the generated final report to the patient.

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['p\_id'];

$user=$\_SESSION['p\_user'];

$email=$\_SESSION['p\_email'];

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="patient.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="row" style="padding-left:1200px;padding-top: 10px;">

<a href="../login.php" class="btn green">log out</a>

</div>

<div class="container">

<div class=" row">

<h6>Patient name :</h6>

<h6 class="flow-text"><?php echo $user; ?></h6>

</div>

</div>

<?php

if (isset($\_POST['submit']))

{

$pid=$id;

$did=$\_POST['doctor'];

$sql="INSERT INTO pt\_visit values('$pid','$did');";

if (mysqli\_query($conn,$sql)) {

header('location: ../login.php');

}else{

echo '<div class="red-text center-align" style="padding-bottom: 10px;">you are already selected a doctor</div>';

}

}

$sql = "SELECT id,username FROM doctor";

$result = $conn->query($sql);

?>

<div class="container" style=" width: 300px; padding-top: 50px;">

<form method="POST">

<div class="input-field col s12">

<select name="doctor">

<option value="" disabled selected>Select your Doctor</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row["id"]; ?>"><?php echo $row["username"]; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected><?php echo "0 results"; ?></option>

<?php } ?>

</select>

<label>Doctor list</label>

</div>

<div class="center">

<input type="submit" name="submit" value="proceed" class="btn z-depth-0">

</div>

</form>

</div>

<?php

$sql="SELECT p.username,d.injury\_name,d.des FROM patient p,doctor\_report d WHERE p.id=d.pid AND d.pid='$id'; ";

$result = mysqli\_query($conn,$sql);

?>

<div class="container" style="padding-top: 50px;">

<div class="row">

<ul class="collapsible">

<li>

<div class="collapsible-header flow-text">My Report</div>

<div class="collapsible-body">

<div class="container">

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<div class="row">

<table>

<thead>

<tr>

<th>Patient</th>

<th><?php echo $row['username']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Injury name</th>

<th><?php echo $row['injury\_name']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Doctor Description</th>

<th><?php echo $row['des']; ?></th>

</tr>

</thead>

</table>

</div>

<?php

}

} else {

?>

<div class="row">Doctor report is not at generated</div>

<?php

}

$sql="SELECT des FROM therapist\_report WHERE pid='$id'; ";

$result = mysqli\_query($conn,$sql);

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<div class="row">

<table>

<thead>

<tr>

<th>Therapist Description</th>

<th><?php echo $row['des']; ?></th>

</tr>

</thead>

</table>

</div>

<?php

}

} else {

?>

<div class="row">Therapist report is not at generated</div>

<?php } ?>

<div class="row">

<h6 class="blue-text">Assigned Medicenes</h6>

<ol>

<?php

$sql="SELECT mc.name FROM medicate mt,medicene mc WHERE mt.mid=mc.mid AND mt.pid='$id'; ";

$result = mysqli\_query($conn,$sql);

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<li><?php echo $row['name']; ?></li>

<?php

}

}

?>

</ol>

</div>

</div>

</div>

</li>

</ul>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

<script type="text/javascript">

$(document).ready(function(){

$('.collapsible').collapsible();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Templates**
2. **Header.php :** This is the header part of the html page.

<head>

<title>Rehabilitation System</title>

</head>

<link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">

<!-- Compiled and minified CSS -->

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize.min.css">

<script type = "text/javascript"

src = "https://code.jquery.com/jquery-2.1.1.min.js"></script>

<!-- Compiled and minified JavaScript -->

<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/js/materialize.min.js"></script>

<style type="text/css">

.box{

position: relative;

top:150px;

background-color:white;

width: 500px;

height: 100px;

padding: 10px left-right auto;

padding-top: 10px;

}

body {

display: flex;

min-height: 100vh;

flex-direction: column;

}

main {

flex: 1 0 auto;

}

.tabs .indicator{

background-color: #0d47a1;

}

</style>

<body>

<header>

<nav class="nav-wrapper orange z-depth-0">

<div class="container">

<a href="login.php" class="brand-logo">Rehabilitation System</a>

<ul class="right">

1. **Footer.php :** This conatin footer part of the html page.

<footer class="page-footer">

<div class="footer-copyright">

<div class="container">

<a class="grey-text text-lighten-4 right" href="#!">More Links</a>

</div>

</div>

</footer>

</body>

1. **Therapist**
2. **Therapist.php :** This form contain therapist page after login.

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['t\_id'];

$user=$\_SESSION['t\_user'];

$email=$\_SESSION['t\_email'];

$sql = "SELECT id,username FROM patient,th\_assign WHERE id=pid AND tid='$id';";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="therapist.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="row" style="padding-left: 1200px;padding-top: 10px;">

<a href="../login.php" class="btn green">log out</a>

</div>

<?php

if (isset($\_POST['submit1']))

{

$\_SESSION['np\_id']=$\_POST['n\_p'];

header('location: new\_patient.php');

}

if (isset($\_POST['submit2']))

{

$\_SESSION['np\_id']=$\_POST['e\_p'];

header('location: existing\_patient.php');

}

?>

<div class="container" style=" width: 400px; padding-top: 100px;">

<form method="POST">

<div class="input-field col s12" >

<select name="n\_p">

<option value="" disabled selected>select patients</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row['id']; ?>"><?php echo $row['username']; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected>No new patients</option>

<?php } ?>

</select>

<label style="color: green;">NEW PATIENTS</label>

<div class="center">

<input type="submit" name="submit1" value="proceed" class="btn-small z-depth-0">

</div>

</div>

<div class="input-field col s12" style="padding-top: 40px;">

<?php

$sql = "SELECT id,username FROM patient,therapist\_report WHERE id=pid AND tid='$id';";

$result = $conn->query($sql);

?>

<select name="e\_p">

<option value="" disabled selected>Existing Patients</option>

<?php

if ($result->num\_rows > 0) {

while($row = $result->fetch\_assoc()) {

?>

<option value="<?php echo $row['id']; ?>"><?php echo $row['username']; ?></option>

<?php

}

} else {

?>

<option value="" disabled selected>No new patients</option>

<?php } ?>

</select>

<label style="padding-top: 30px;color: green;">EXISTING PATIENTS</label>

<div class="center">

<input type="submit" name="submit2" value="proceed" class="btn-small z-depth-0">

</div>

</div>

</form>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Existing\_patient.php:** This will show the existing patient.

<?php

include('../config/db\_connect.php');

session\_start();

$pid=$\_SESSION['np\_id'];

$id=$\_SESSION['t\_id'];

$user=$\_SESSION['t\_user'];

$email=$\_SESSION['t\_email'];

$sql = "SELECT \* FROM patient,doctor\_report WHERE id=pid AND pid='$pid';";

$result = $conn->query($sql);

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="therapist.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<div class="container" style="padding-top: 50px;">

<div class="row">

<ul class="collapsible">

<li>

<div class="collapsible-header">Doctor Report</div>

<div class="collapsible-body">

<div class="container">

<?php

if ($result->num\_rows > 0){

if($result){

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

?>

<div class="row">

<table>

<thead>

<tr>

<th>Patient</th>

<th><?php echo $row['username']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Therapy name</th>

<th style="padding-right: 80px;"><?php echo $row['injury\_name']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Patient</th>

<th><?php echo $row['des']; ?></th>

</tr>

</thead>

</table>

</div>

<?php

}

}

else

{

?>

<div class="flow-text">Report not at generated</div>

<?php } ?>

</div>

</div>

</li>

</ul>

</div>

<div class="row">

<a href="report.php" class="btn">Genereate another report</a>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('.collapsible').collapsible();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **New\_therapist.php:** This will show the new therapist who is logged in.

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['t\_id'];

$user=$\_SESSION['t\_user'];

$email=$\_SESSION['t\_email'];

$pid=$\_SESSION['np\_id'];

echo $pid;

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="therapist.php" style="font-size: 40px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<div class="container" style="padding-top: 50px;">

<div class="row">

<ul class="collapsible">

<li>

<div class="collapsible-header">Doctor Report</div>

<div class="collapsible-body">

<div class="container">

<?php

$sql="SELECT username,did,injury\_name,des FROM doctor\_report,doctor WHERE did=id AND pid='$pid';";

$result = mysqli\_query($conn,$sql);

if ($result->num\_rows > 0){

if($result){

$row = mysqli\_fetch\_array($result,MYSQLI\_ASSOC);

?>

<div class="row">

<table>

<thead>

<tr>

<th>Doctor</th>

<th><?php echo $row['username']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Injury name</th>

<th><?php echo $row['injury\_name']; ?></th>

</tr>

</thead>

</table>

</div>

<div class="row">

<table>

<thead>

<tr>

<th>Description</th>

<th><?php echo $row['des']; ?></th>

</tr>

</thead>

</table>

</div>

</div>

<?php

}

}

else

{

?>

<div class="flow-text">Report not at generated</div>

<?php } ?>

</div>

</div>

</li>

</ul>

</div>

<div class="row" style="padding-left: 220px;">

<a href="report.php" class="btn">Genereate report</a>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('.collapsible').collapsible();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Report.php :** This is the report generated by the therapist for patient.

<?php

include('../config/db\_connect.php');

session\_start();

$id=$\_SESSION['t\_id'];

$user=$\_SESSION['t\_user'];

$email=$\_SESSION['t\_email'];

$pid=$\_SESSION['np\_id'];

?>

<!DOCTYPE html>

<html>

<?php include('../templates/header.php'); ?>

<li><a href="therapist.php" style="font-size: 20px;">home</a></li>

<li><a href="#" style="font-size: 20px;">about</a></li>

</ul>

</div>

</nav>

</header>

<main>

<div class="left-align">

<h6>Patient name:</h6>

</div>

<?php

if(isset($\_POST["submit"]))

{

$th\_name=$\_POST['th\_name'];

$des=$\_POST['des'];

$sql="INSERT INTO therapist\_report values('$pid','$id','$th\_name','$des');";

if (mysqli\_query($conn,$sql)) {

$sql="DELETE FROM th\_assign WHERE tid='$id';";

mysqli\_query($conn,$sql);

header('location: therapist.php');

}

else{

echo "<div class='green-text flow-text'>Report already generated</div>";

}

}

?>

<div class="container" style="padding-top: 50px;">

<div class="row">

<form class="col s12" method="POST">

<div class="row">

<div class="input-field col s6">

<input id="input\_text" type="text" data-length="10" name="th\_name">

<label for="input\_text">Therapy name</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<textarea id="textarea2" class="materialize-textarea" data-length="120" name="des"></textarea>

<label for="textarea2">Description</label>

</div>

</div>

<div class="center">

<input type="submit" name="submit" value="proceed" class="btn z-depth-0">

</div>

</form>

</div>

</div>

<script type="text/javascript">

$(document).ready(function(){

$('select').formSelect();

});

</script>

</main>

<?php include('../templates/footer.php'); ?>

</html>

1. **Db\_connect.php :** This is the connection of database using php.

<?php

$conn=mysqli\_connect('localhost','root','','rehab\_system');

if (!$conn) {

echo 'connection error'.mysqli\_connect\_error();

}

?>

**CHAPTER 5**

**RESULT AND DISCUSSION**

Fig.1 : First page snap with three options to select.

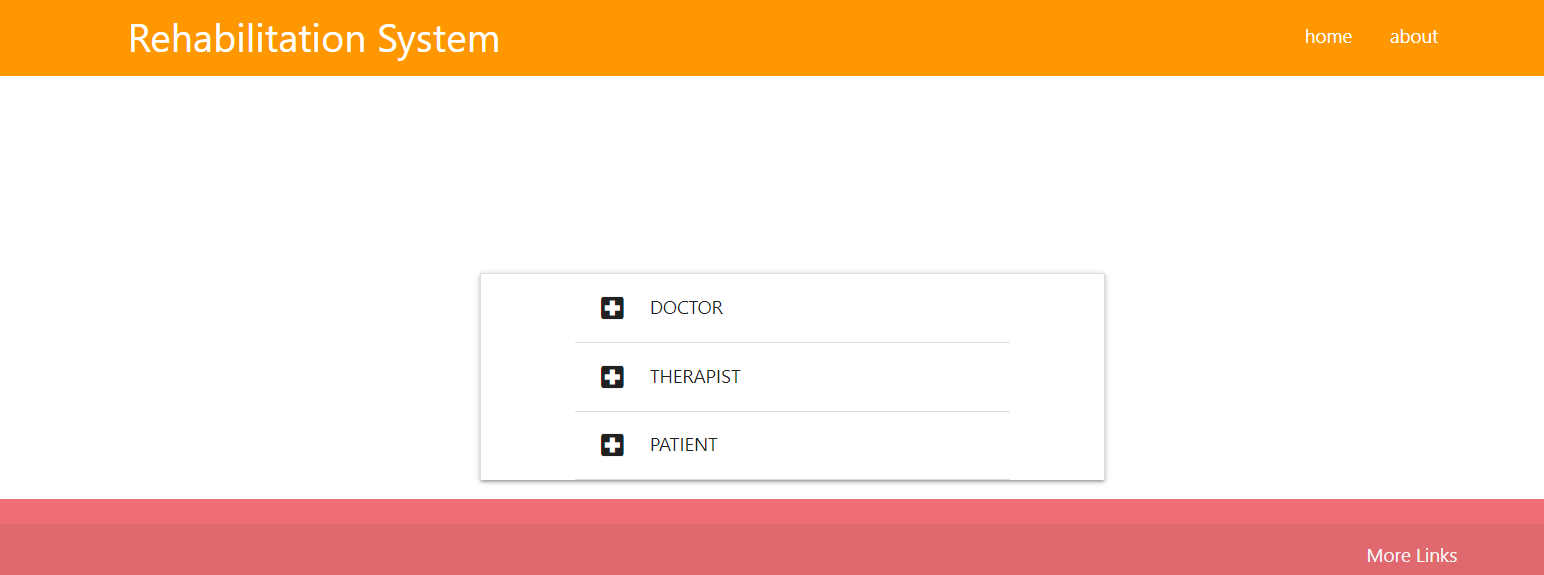


Fig.2 : Doctor login Page and also same for therapist and patient logins.

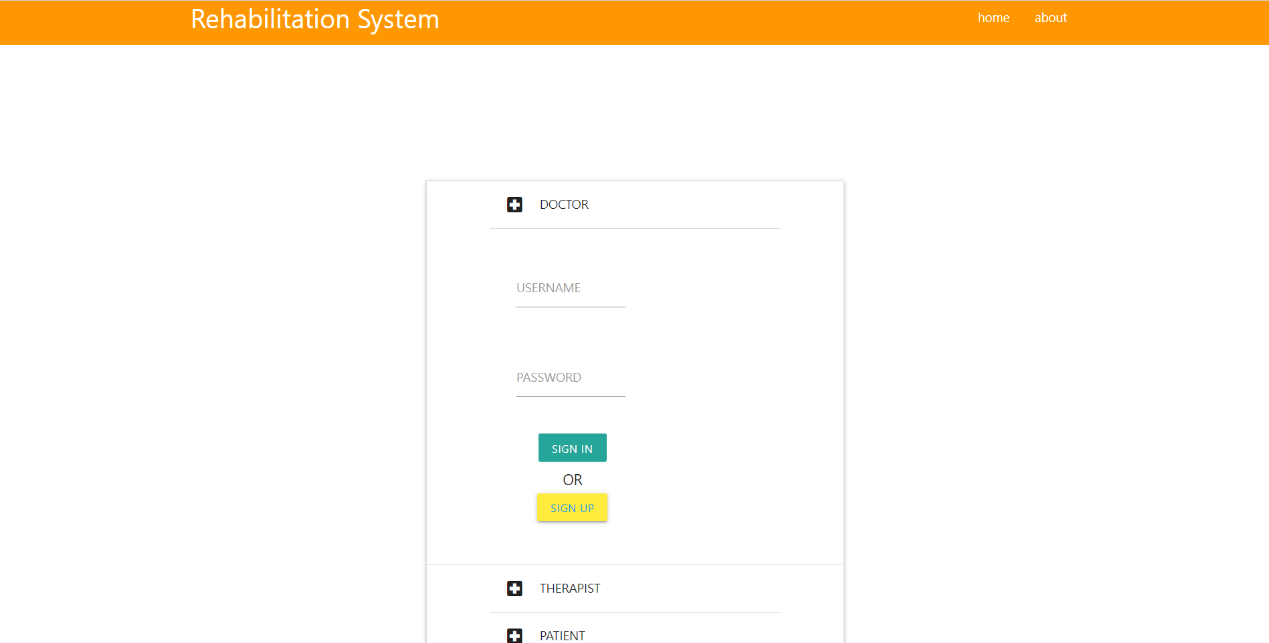


Fig.3:Doctor, therapist and patient register page snap.

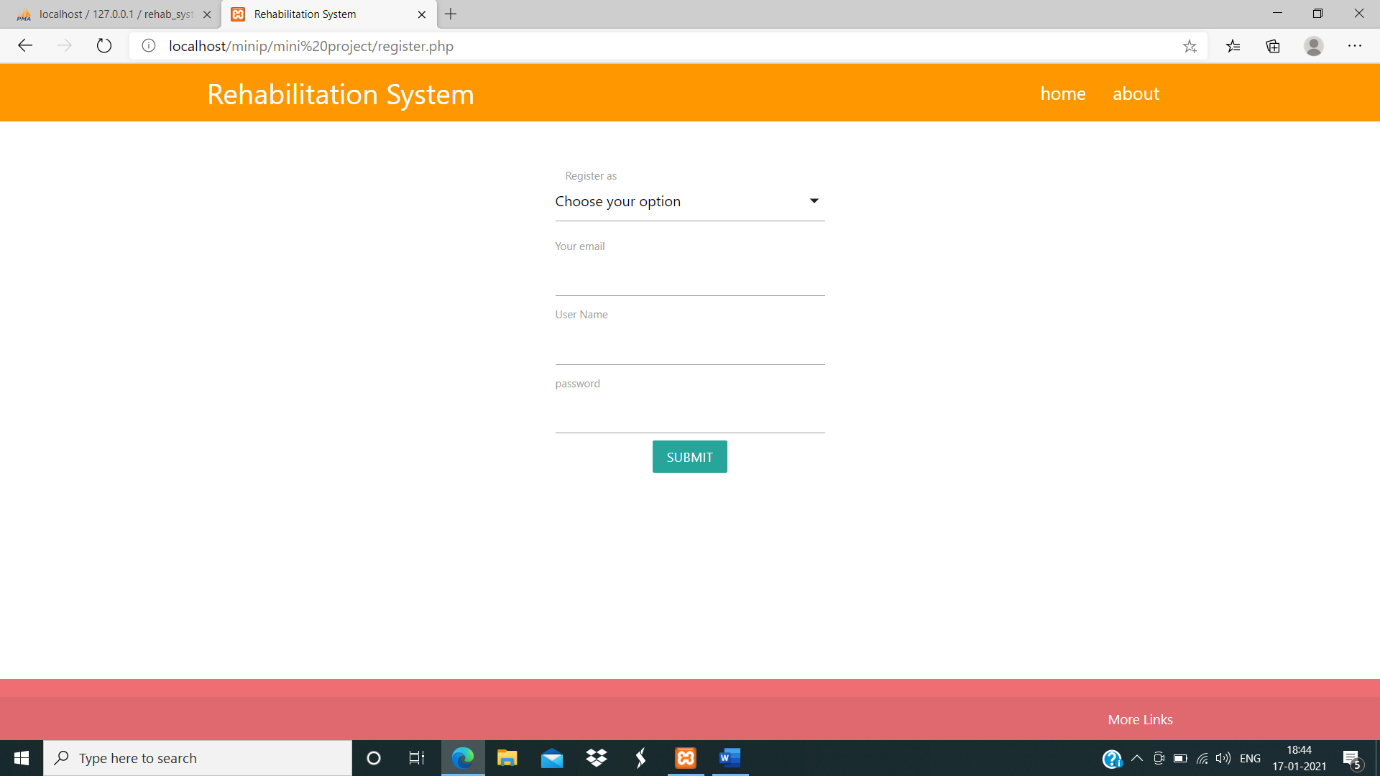


Fig.4: Patient after login he will get to select his doctor.

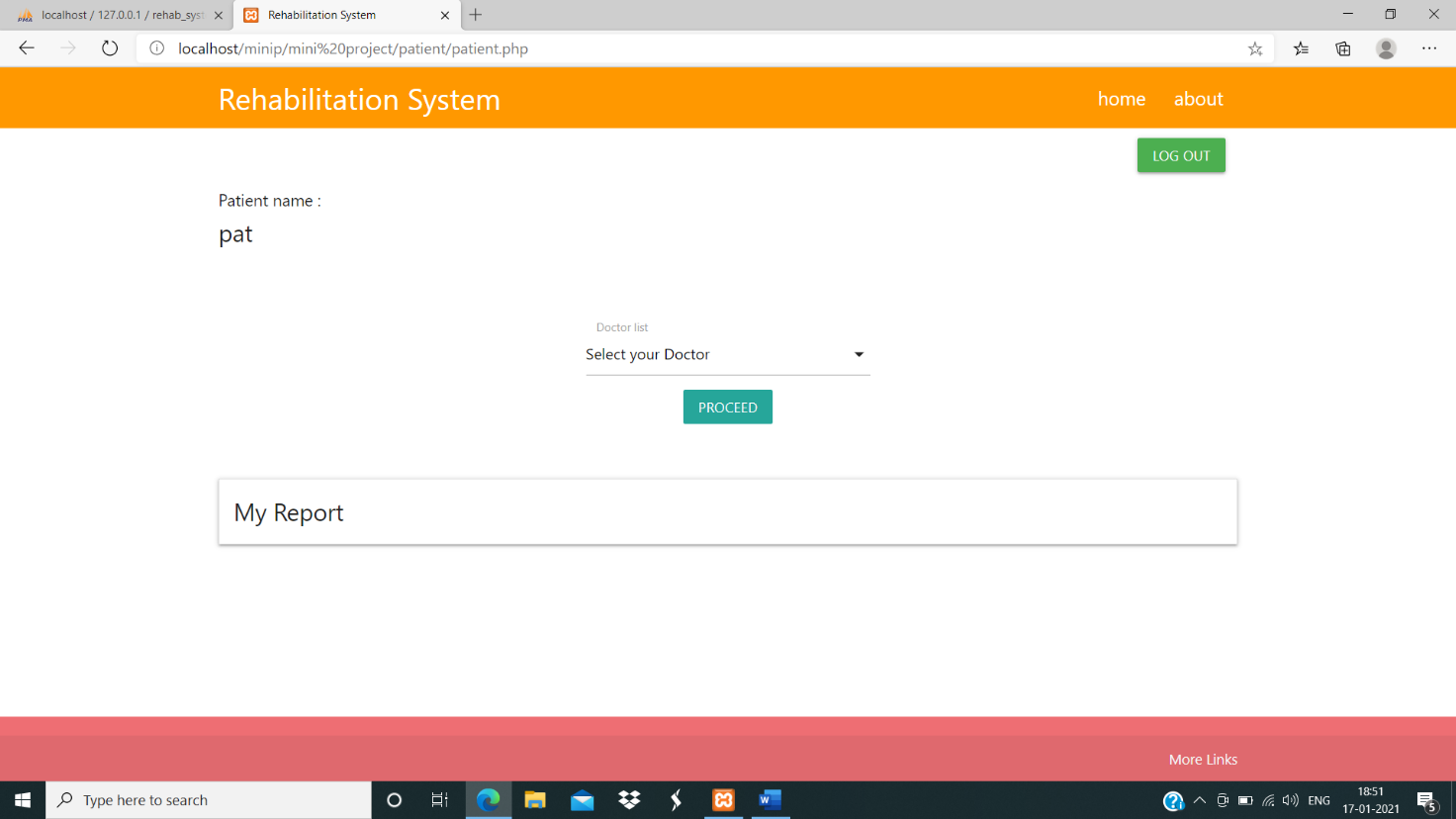


Fig.5 : Doctor after login he can see new patient and existing patient.

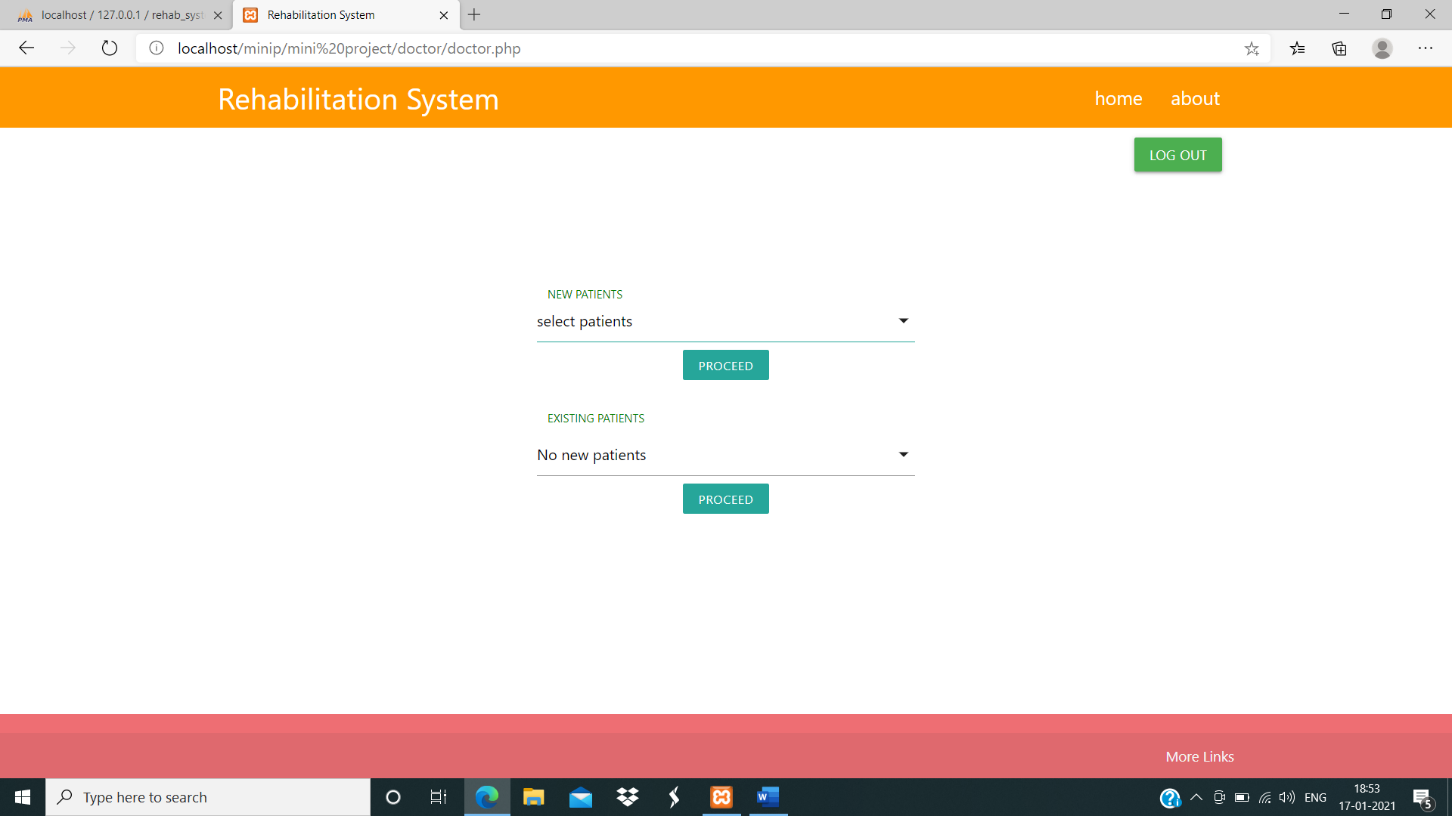


Fig.6 : After selecting patient snap.

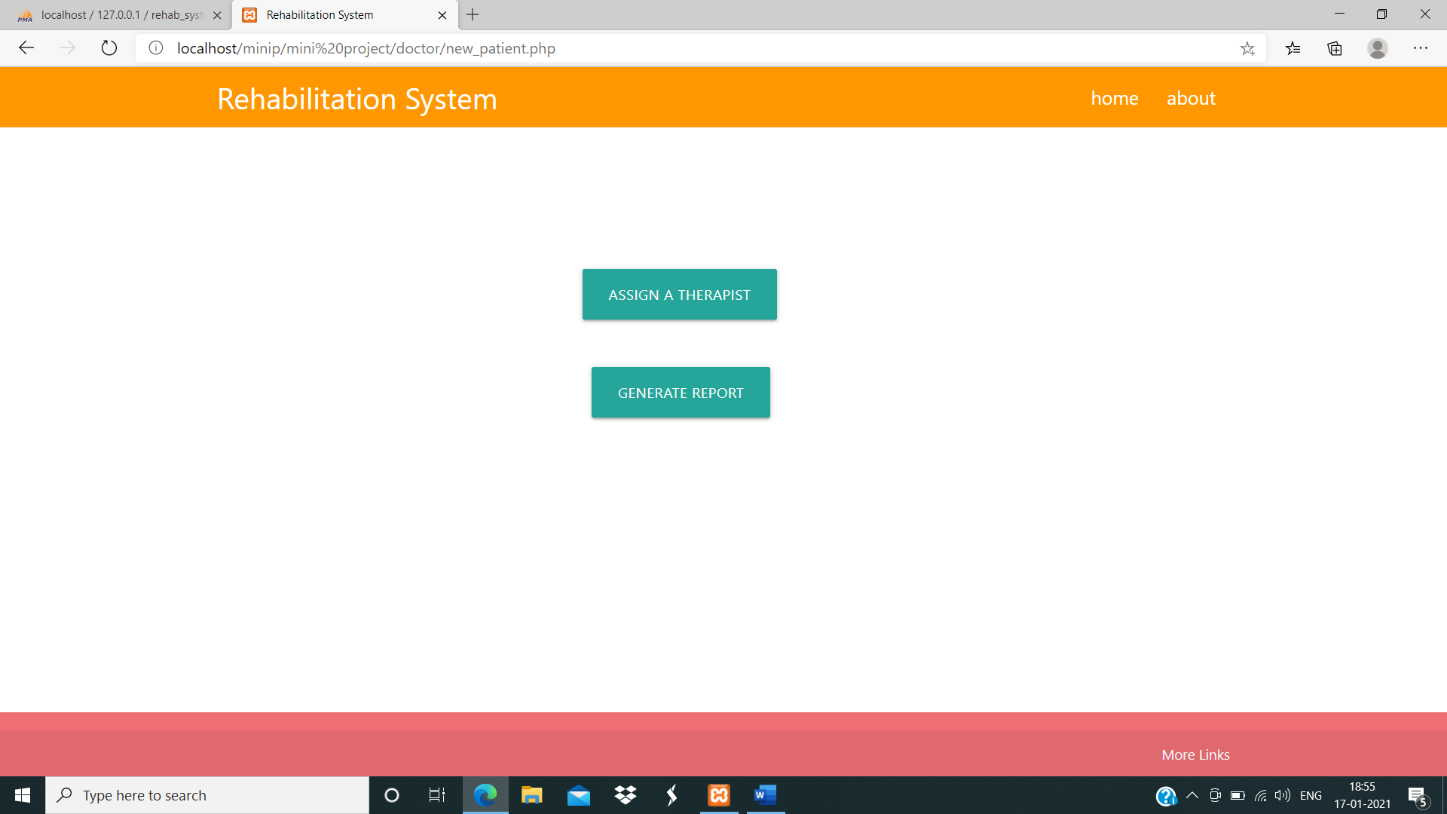


Fig.7 : Doctor assigning therapist to the patient snap.

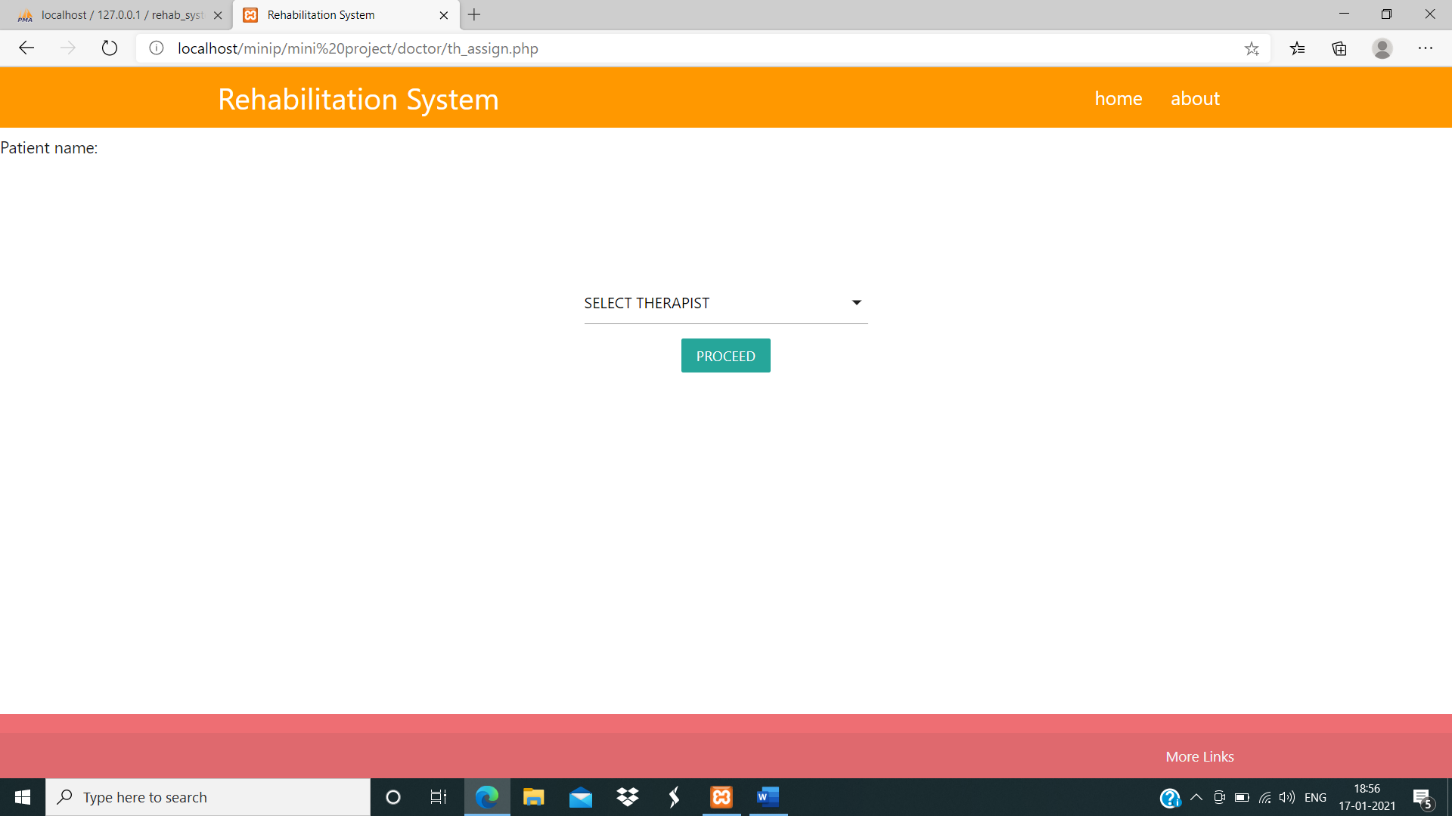


Fig.8 : Doctor generating report to patient snap.

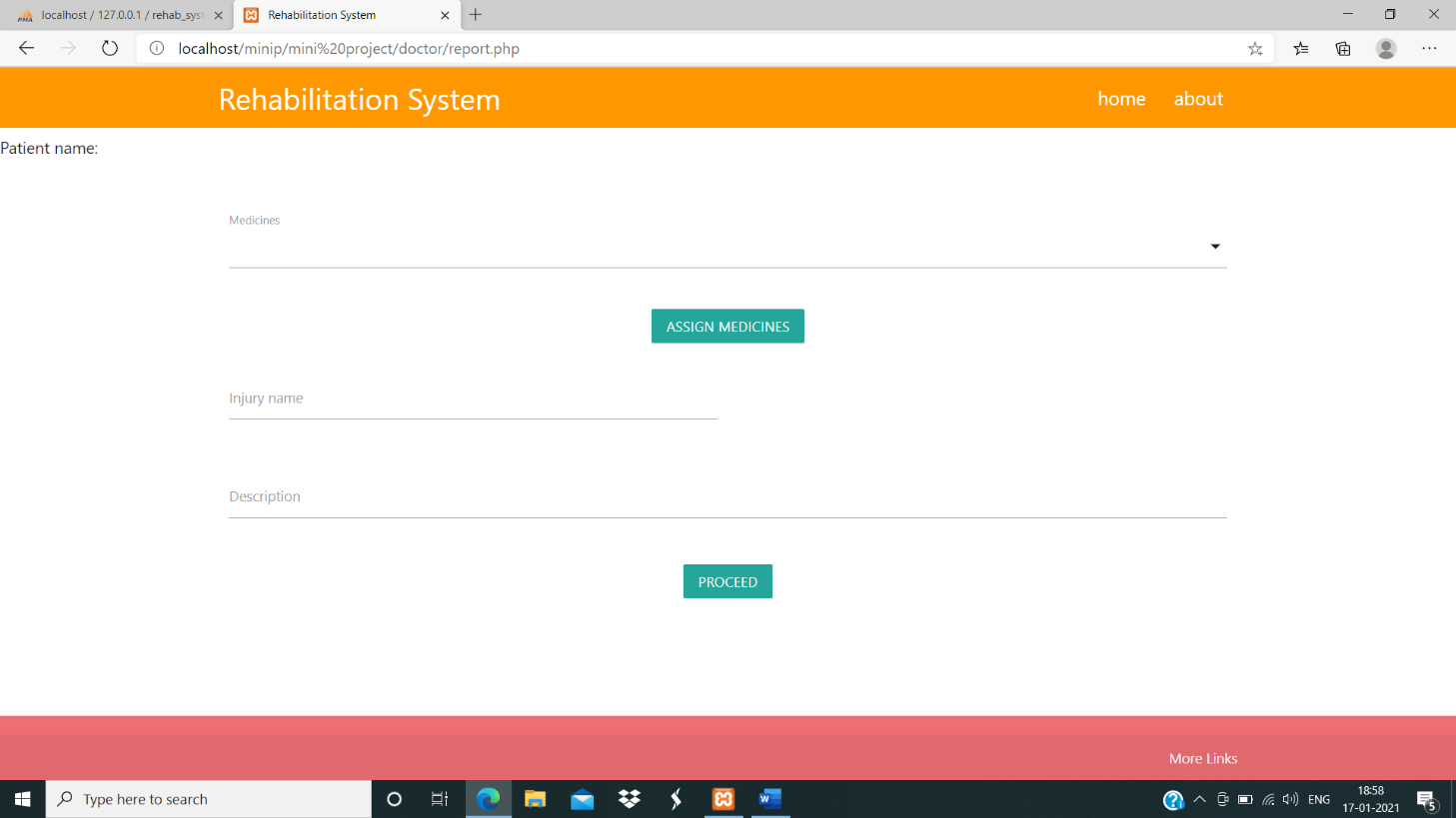


Fig.9 : Therapist generating report for patient snap.

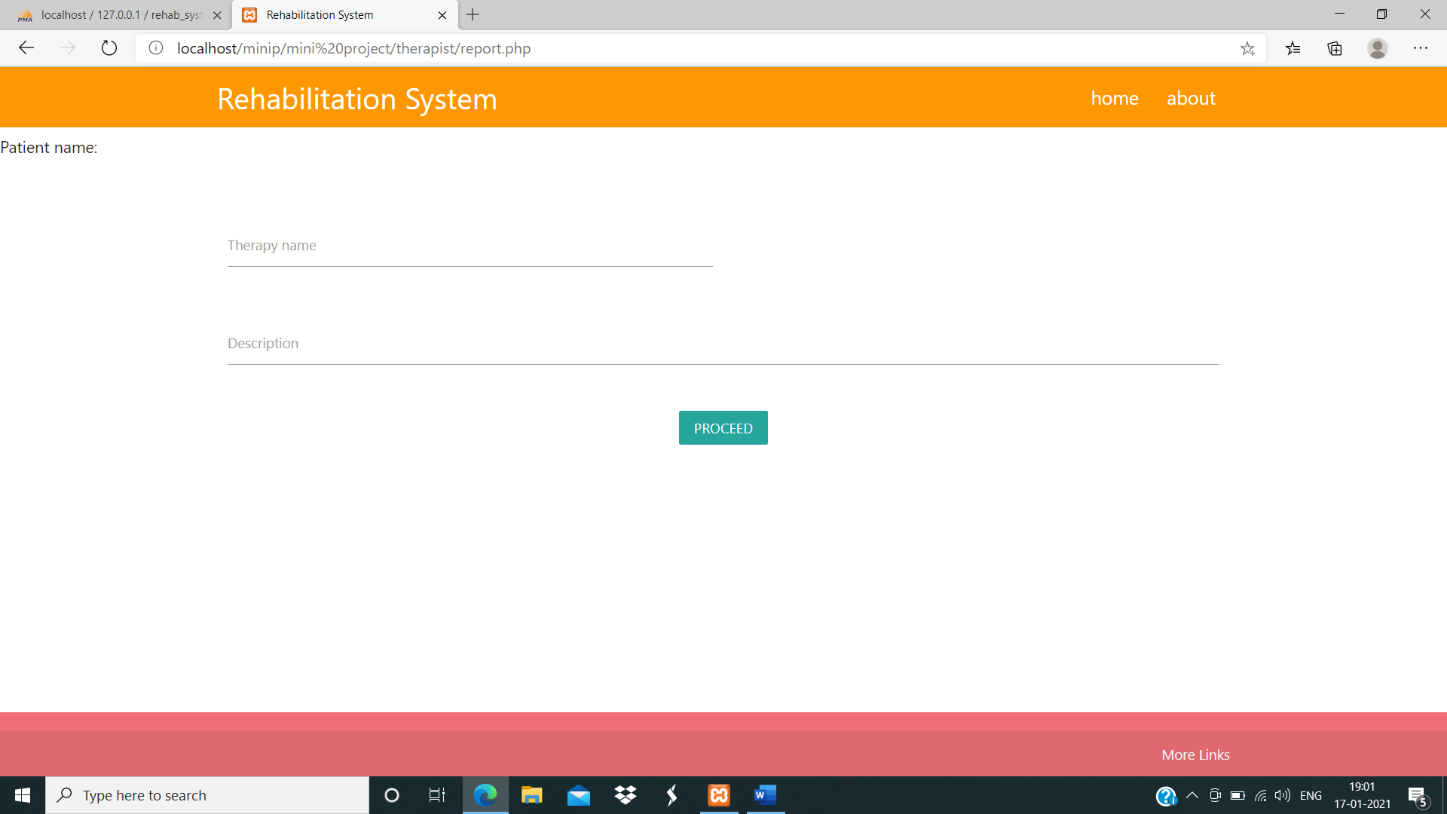
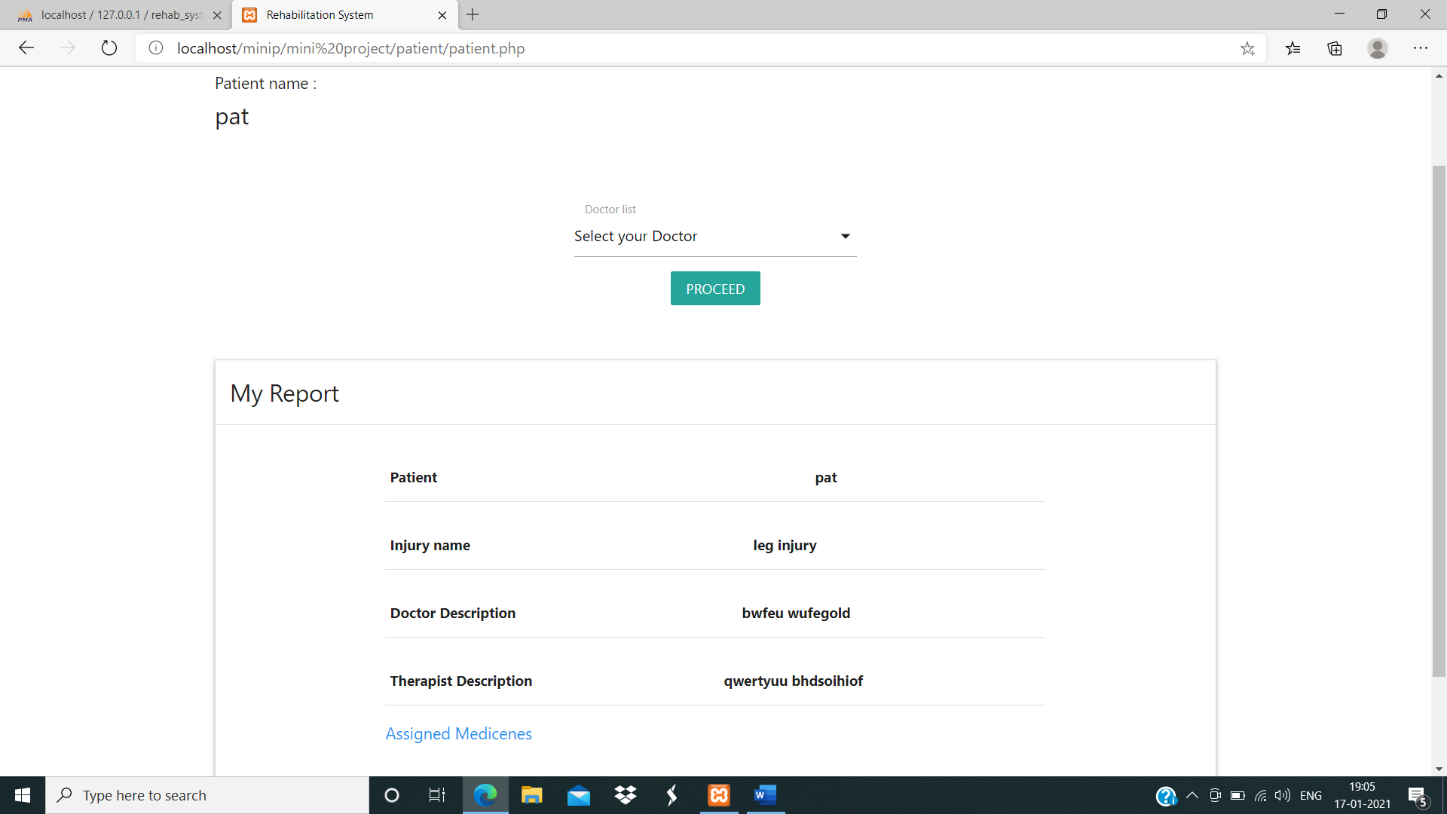


Fig.10 : Final report accessed by the patient snap.



**CHAPTER 6**

**CONCLUSION**

This Rehabilitation System will reduce the work of doctor and it will be helpful for retrieving the patient past information. This System is a web based application that involves recovery of the patient and what and all the therapies the patient has undergone. This process makes it way more simpler to doctor and therapist to treat the patient by referring his report and update his report in very efficient way. And also patient can access it by anywhere.