

Hospital Management System



American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation Finished Project Report Fall2020-2021

Project Title: Hospital Management System
Section: C

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Hospital Management System

Project Description:

The main purpose of our project is designed a unique Hospital Management System that will improve hospital experience for both patients and the hospital authorities and This will make the system useful and more convenient for everyone. The system is written in HTML, PHP, java script, jQuery, and CSS. Users will have the felicity to log in from any place with internet connection. After that they will be able to various tasks that are designed for them. Users are categorized in four groups :(Patient, Doctor, Receptionist, Admin). The primary target is to focus on every user who can get our service and get benefitted.

1. Patient:

Patients are normal users like us but important part of our system. They will be able to browse through available doctors and ask for appointments. They can also check our previous history. The patient's functionality is limited based on their need. Obviously, they can look for their desired doctors to request an appointment.

2. Doctor:

Doctors can check appointments and set appointment by their own. They can start prescribing their patients by clicking the appointment list and assign to their patients. Every field that is necessary for a doctor to make a perfect consulting is available. Which will obviously helpful for a patient and they can give proper time to patients.

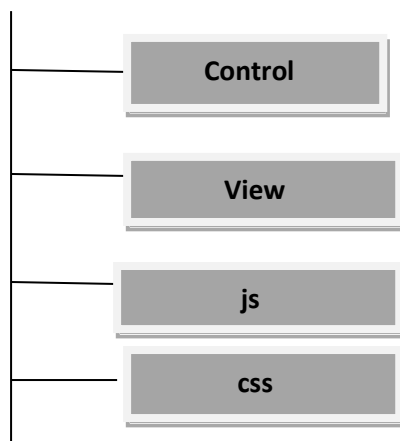
3. Admin:

Admin has the power to create user profile both for patients and doctors. They will be responsible for approving appointments and monitor through pending test reports. They will have the most important things to do. As many important things will depend on their action.

4. Receptionist:

Receptionist will play the connector role between doctor and patient. Receptionist check the doctor's available time in doctor's approval form and then inform the patient. Receptionist also inform the doctors about their appointment time and date.

Project Folder Structure:



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Core Modules of the Project:

Login.php

```
<?php
include('../session/logincheck.php');
if(isset($_SESSION['username'])){
header("location: DoctorApprovalForm.php");
}
?>

<!DOCTYPE html>

<html>
<head>
</head>
<body>
</div>
</li>
</ul>
<div style="text-align:center">
<div style="text-align:center">
<link rel="stylesheet" type="text/css" href="../CSS/style.css">
<div class="sticky">
<div class="topnav">

<a href="../View/HomePage.php">Home</a>
<a href="../View/DoctorLogin.php">LOG IN</a>
<a href="../View/DoctorReg.php">REGISTRATION</a>
<a href="../session/logoutcheck.php">LOGOUT</a>
</div>
</div>
<br><br><br><br><br><br>
<h1>Doctor Login</h1>
```



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```
<form action="" method="post">

<input type="text" name="username" placeholder="Enter your username!"><?php echo
$usernameerror; ?><br><br>

<input type="password" name="password" placeholder="Enter your password!" ><?php echo
$passworderror; ?><br><br>

<input name="submit" type="submit" value="Login"><br>

<input type="reset"><br><br>

<a href="DoctorReg.php">Back to Registration</a><br>

</form>

<br>

</body>

</html>
```

Logincheck.php

```
<?php

include('db.php');

session_start();

$username=$password="";

$usernameerror=$passworderror="";

function test_input($data) { $data = trim($data);$data = stripslashes($data);$data =
htmlspecialchars($data);

return $data;}

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

$username=test_input($_POST["username"]);

$password=test_input($_POST["password"]);

if (empty($username) || !preg_match("/^[a-zA-Z-' ]*$/",$username) && empty($password))
{ $passworderror="Please enter your password!"; $usernameerror="Please enter your
username!";}
```



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```
else{
$username=$_POST['username'];
$password=$_POST['password'];
$connection = new db();
$con=$connection->OpenCon();
$userQuery=$connection->CheckUser($con,"DoctorReg",$username,$password);
if ($userQuery->num_rows > 0) {
$_SESSION["username"] = $username;
$_SESSION["password"] = $password;
}
else {
$passworderror="Wrong password!"; $usernameerror="Wrong username!";
}
$connection->CloseCon($con);
}
}
?>
```

index.php(Booking Information Show)

```
<?php
include 'database.php';
?>
<!DOCTYPE html>
<html lang="en">
<head>
<style>
.error {color: #FF0000;}
body {
background-image: url('Doctor-Appointment-Software.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;
}
ul {
list-style-type: none;
margin: 0;
padding: 0;
overflow: hidden;
```



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```
background-color: #333;
}

li {
  float: left;
}

li a, .dropbtn {
  display: inline-block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover, .dropdown:hover .dropbtn {
  background-color: red;
}

li.dropdown {
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
  z-index: 1;
}

.dropdown-content a {
  color: black;
  padding: 12px 16px;
  text-decoration: none;
  display: block;
  text-align: left;
}

.dropdown-content a:hover {background-color: #f1f1f1;}

.dropdown:hover .dropdown-content {
  display: block;
}
</style>
<meta charset="utf-8"/>

<meta charset="utf-8">
```



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```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>User Data</title>
<link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Roboto|Varela+Round">
<link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-
awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
<link rel="stylesheet" href="css/style.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></scrip
t>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></scr
ipt>
<script src="ajax.js"></script>
</head>
<body>
<ul>
<li><a href=" ../HomePage.php">Home</a></li>
<li><a href=" ../Login.php">Appointment Info</a></li>
<li><a href="">Doctors Info</a></li>
<li><a href=" ../Form.php">Sign up</a></li>

<li class="dropdown">
<a href="javascript:void(0)" class="dropbtn">Login</a>
<div class="dropdown-content">
<a href="doctorLogin.php">Doctor Login</a>
<a href="patient.php">Patient Login</a>
<a href="Login.php">Receptionist Login</a>
<a href="adminlogin.php">Admin Login</a>

</div>
</li>
</ul>

<div style="padding:20px;margin-top:30px;height:1500px;">

<div class="container">
<p id="success"></p>
<div class="table-wrapper">
<div class="table-title">
<div class="row">
<div class="col-sm-6">
<h2>Booking Information </b></h2>
```



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```
</div>
<div class="col-sm-6">
<a href="#addEmployeeModal" class="btn btn-success" data-toggle="modal"><i
class="material-icons">&#9654</i> <span>Add New booking</span></a>
<a href="JavaScript:void(0);" class="btn btn-danger" id="delete_multiple"><i
class="material-icons">&#9654</i> <span>Delete</span></a>

</div>
</div>
</div>
<table class="table table-striped table-hover">
  <thead>
    <tr>
      <th>
        <span class="custom-checkbox">
          <input type="checkbox" id="selectAll">
          <label for="selectAll"></label>
        </span>
      </th>
      <th>SL NO</th>
      <th>NAME</th>
      <th>Doctor Name</th>
      <th>Appointment Date</th>
      <th>Appointment Time</th>
      <th>ACTION</th>
    </tr>
  </thead>
  <tbody>
    <?php
      $conn = mysqli_connect("localhost","root","","Hospital") or
die("Connection Failed");
      $sql = "SELECT * FROM appointment_Info";
      $result = mysqli_query($conn, $sql) or die("SQL Query
Failed.");

      $i=1;
      while($row = mysqli_fetch_array($result)) {
        ?>
        <tr id="<?php echo $row["id"]; ?>">
          <td>
            <span class="custom-checkbox">
              <input type="checkbox" class="user_checkbox" data-user-id="<?php echo
$row["id"]; ?>">
              <label for="checkbox2"></label>
            </span>
          </td>
          <td><?php echo $i; ?></td>
          <td><?php echo $row["name"]; ?></td>
```



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```
<td><?php echo $row["doctors_name"]; ?></td>
<td><?php echo $row["appointment_date"]; ?></td>
<td><?php echo $row["appointment_time"]; ?></td>
<td>
<a href="#editEmployeeModal" class="edit" data-toggle="modal">
<i class="material-icons update" data-toggle="tooltip"
data-id="<?php echo $row["id"]; ?>"
data-name="<?php echo $row["name"]; ?>"
data-doctors_name="<?php echo $row["doctors_name"]; ?>"
data-appointment_date="<?php echo $row["appointment_date"]; ?>"
data-appointment_time="<?php echo $row["appointment_time"]; ?>"
title="Edit">✎</i>
</a>
<a href="#deleteEmployeeModal" class="delete" data-id="<?php echo $row["id"];
?>" data-toggle="modal"><i class="material-icons" data-toggle="tooltip"
title="Delete">✕</i></a>
</td>
</tr>
<?php
$i++;
}
?>
</tbody>
</table>

</div>
</div>
<div id="addEmployeeModal" class="modal fade">
<div class="modal-dialog">
<div class="modal-content">
<form id="user_form">
<div class="modal-header">
<h4 class="modal-title">Add Booking </h4>
<button type="button" class="close" data-dismiss="modal" aria-
hidden="true">✕</button>
</div>
<div class="modal-body">
<div class="form-group">
<label>NAME</label>
<input type="text" id="name" name="name" class="form-control" required>
</div>
<div class="form-group">
<label>Doctor Name</label>
<input type="text" id="doctors_name" name="doctors_name" class="form-control"
required>
</div>
<div class="form-group">
<label>Appointment Date</label>
```



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```
<input type="text" id="appointment_date" name="appointment_date" class="form-control" required>
</div>
<div class="form-group">
<label>Appointment Time</label>
<input type="text" id="appointment_time" name="appointment_time" class="form-control" required>
</div>
</div>
<div class="modal-footer">
    <input type="hidden" value="1" name="type">
    <input type="button" class="btn btn-default" data-dismiss="modal" value="Cancel">
    <button type="button" class="btn btn-success" id="btn-add">Add</button>
</div>
</form>
</div>
</div>
</div>
<div id="editEmployeeModal" class="modal fade">
<div class="modal-dialog">
<div class="modal-content">
<form id="update_form">
<div class="modal-header">
<h4 class="modal-title">Edit User</h4>
<button type="button" class="close" data-dismiss="modal" aria-hidden="true">×</button>
</div>
<div class="modal-body">
<input type="hidden" id="id_u" name="id" class="form-control" required>

<div class="form-group">
<label>Name</label>
<input type="text" id="name_u" name="name" class="form-control" required>
</div>
<div class="form-group">
<label>Doctor Name </label>
<input type="text" id="doctors_name_u" name="doctors_name" class="form-control" required>
</div>
<div class="form-group">
<label>Appointment Date</label>
<input type="date" id="appointment_date_u" name="appointment_date" class="form-control" required>
</div>
<div class="form-group">
<label>Appointment Time</label>
<input type="time" id="appointment_time_u" name="appointment_time" class="form-control" required>
```



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```
</div>
</div>
<div class="modal-footer">
<input type="hidden" value="2" name="type">
<input type="button" class="btn btn-default" data-dismiss="modal"
value="Cancel">
<button type="button" class="btn btn-info" id="update">Update</button>
</div>
</form>
</div>
</div>
</div>
<div id="deleteEmployeeModal" class="modal fade">
<div class="modal-dialog">
<div class="modal-content">
<form>

<div class="modal-header">
<h4 class="modal-title">Delete User</h4>
<button type="button" class="close" data-dismiss="modal" aria-
hidden="true"><×</button>
</div>
<div class="modal-body">
<input type="hidden" id="id_d" name="id" class="form-control">

<p>Are you sure you want to delete these Records?</p>
<p class="text-warning"><small>This action cannot be undone.</small></p>
</div>
<div class="modal-footer">
<input type="button" class="btn btn-default" data-dismiss="modal"
value="Cancel">
<button type="button" class="btn btn-danger" id="delete">Delete</button>
</div>
</form>
</div>
</div>
</div>
</div>
</body>
</html>
```

Save.php(CRUD)

```
<?php
include 'database.php';
if(count($_POST)>0){
if($_POST['type']==1){
$name=$_POST['name'];
$doctors_name=$_POST['doctors_name'];
$appointment_date=$_POST['appointment_date'];
$appointment_time=$_POST['appointment_time'];
```



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```
$sql = "INSERT INTO `appointment_Info` ( `name`,
`doctors_name`, `appointment_date`, `appointment_time`)
VALUES ('$name', '$doctors_name', '$appointment_date', '$appointment_time')";
if (mysqli_query($conn, $sql)) {
echo json_encode(array("statusCode"=>200));
}
else {
echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}
if(count($_POST)>0){
if($_POST['type']==2){
$id=$_POST['id'];
$name=$_POST['name'];
$doctors_name=$_POST['doctors_name'];
$appointment_date=$_POST['appointment_date'];
$appointment_time=$_POST['appointment_time'];
$sql = "UPDATE `appointment_Info` SET
`name`='$name', `doctors_name`='$doctors_name', `appointment_date`='$appointment_
date', `appointment_time`='$appointment_time' WHERE id=$id";
if (mysqli_query($conn, $sql)) {
echo json_encode(array("statusCode"=>200));
}
else {
echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}
}
if(count($_POST)>0){
if($_POST['type']==3){
$id=$_POST['id'];
$sql = "DELETE FROM `appointment_Info` WHERE id=$id ";
if (mysqli_query($conn, $sql)) {
echo $id;
}
else {
echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}
}
if(count($_POST)>0){
if($_POST['type']==4){
$id=$_POST['id'];
$sql = "DELETE FROM appointment_Info WHERE id in ($id)";
if (mysqli_query($conn, $sql)) {
```



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```
echo $id;
}
else {
echo "Error: " . $sql . "<br>" . mysqli_error($conn);
}
mysqli_close($conn);
}
}

?>
```

C02 and C04Evaluation: Project Report Evaluation					
Completeness (5)	Validation (5)	Feature Implementation (5)	Concept Understanding (5)	Promptness (5)	Total (25)

