American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation
Finished Project Report
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Project Title: HEALTHCARE MANAGEMENT SYSTEM
Section: F
Group No: 06

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HEALTHCARE MANAGEMENT SYSTEM

Project Description:

The project Hospital Management system includes registration of patients, storing their details into the system. The Hospital Management System can be entered using a username and password. It is accessible either by three principle user which are administrator, patient or doctor. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. Patient can login and register themselves to the system and create appointment regarding their problem. Doctors also register and login the system and see those appointments and manually add patients. Admin can modify and manipulate doctor schedule, patients appointment like create, update, delete, search etc. The data are well protected for personal use and makes the data processing very fast.

Project Folder Structure:
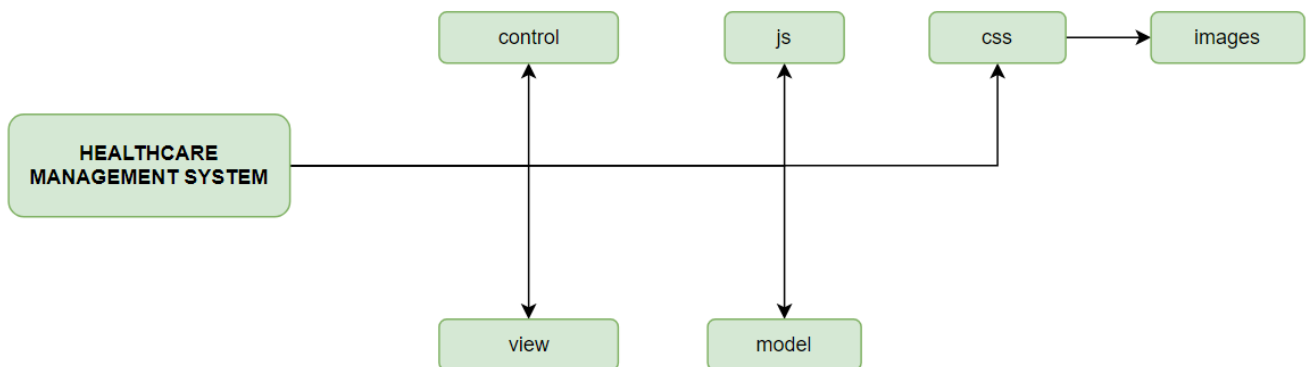
Core Modules of the Project:

myjs.js

```javascript
function validateSignUpForm()                          //JAVASCRIPT SIGNUP VALIDATION
{
  var name = document.getElementById("name").value;
  var regName = /^[a-zA-Z]+ [a-zA-Z]+$/
  var username = document.getElementById("username").value;
  var contact= document.getElementById("contact").value;
  var passw=  /(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{6,}/;
  var password = document.getElementById("password").value;
  var email=document.getElementById("email").value;
  var x = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;


  if (!(regName.test(name)))
```

```javascript
  {
    document.getElementById("jserror").innerHTML="Please enter name";
    return false;
  }
  if (username == "")
  {
    document.getElementById("jserror").innerHTML="Please enter username";
    return false;
  }

  if (!(x.test(email)))
  {
    document.getElementById("jserror").innerHTML="Please enter valid email";
    return false;
  }
 if (!(contact.length==11 || contact.length==14))
  {
    document.getElementById("jserror").innerHTML="Please enter valid contact no";
    return false;
  }
  if (!(passw.test(password)))
  {
    document.getElementById("jserror").innerHTML="Please enter valid password";
    return false;
  }
  if (!allowedExtensions.exec(filePath))
  {
    document.getElementById("jserror").innerHTML="Please select a valid file";
    fileInput.value = '';
    return false;
  }
}
```

docshedule.php

```html
<!DOCTYPE html>
<html>
<head>
<script src="../js/myjs.js"> </script>      <!--JQUERY IMPLEMENTATION-->
<link rel="stylesheet" type="text/css" href="../css/mycss.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

</head>

<body>
```

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```
<div1 class="content2">
<button id="sh">ADD SCHEDULE</button>
<script>  $("#sh").click(function(){
    $("#plus").toggle();


  });
</script>
```

database.php

```php
<?php
class db{

function OpenCon()                    //DATABASE FEATUERS
 {
 $dbhost = "localhost";
 $dbuser = "root";
 $dbpass = "";
 $db = "wtproject";
 $conn = new mysqli($dbhost, $dbuser, $dbpass,$db) or die("Connect failed: %s\n". $conn ->
error);

 return $conn;
 }

 function CheckUser($conn,$table,$username,$password)
 {
   $result = $conn->query("SELECT * FROM $table WHERE username='$username' AND
password='$password'");
   return $result;
 }

 function CheckUique($conn,$table,$username)
 {
$result = $conn->query("SELECT * FROM  $table WHERE username='$username'");
 return $result;
 }

 function UpdateUser($conn,$table,$name,$username,$email,$contact,$password)
 {
  $result = $conn->query("UPDATE $table SET
name='$name',email='$email',contact='$contact',password='$password' WHERE
username='$username'");
   return $result;
 }
```

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```php
function InsertUser($conn,$table,$name,$username,$email,$contact,$password)
{
  $result = $conn->query("INSERT INTO $table (name, username, email, contact, password)
VALUES ('$name','$username', '$email', '$contact', '$password')");
  return $result;
}

function InsertSchedule($conn,$table,$code,$docname,$day,$time,$room)
{
  $result = $conn->query("INSERT INTO $table (code, docname, day, time, room) VALUES
('$code', '$docname', '$day', '$time', '$room')");
  return $result;
}

function UpdateSchedule($conn,$table,$code,$docname,$day,$time,$room)
{
  $result = $conn->query("UPDATE $table SET
docname='$docname',day='$day',time='$time',room='$room' WHERE code='$code'");
  return $result;
}

function DeleteSchedule($conn,$table,$code)
{
 $result = $conn->query("DELETE FROM $table WHERE code='$code'");
 return $result;
}

function CheckSchedule($conn,$table,$code)
{
  $result = $conn->query("SELECT * FROM $table WHERE code='$code'");
  return $result;
}

function
CreateAppointment($conn,$table,$appcode,$pname,$pid,$dname,$did,$day,$time,$room)
{
  $result = $conn->query("INSERT INTO $table (acode, pname, pid, dname, did, day, time,
room) VALUES ('$appcode', '$pname', '$pid', '$dname', '$did', '$day', '$time', '$room')");
  return $result;
}

function
UpdateAppointment($conn,$table,$appcode,$pname,$pid,$dname,$did,$day,$time,$room)
{
```

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```php
  $result = $conn->query("UPDATE $table SET
pname='$pname',pid='$pid',dname='$dname',did='$did',day='$day',time='$time',room='$room'
WHERE acode='$appcode'");
  return $result;
 }

 function DeleteAppointment($conn,$table,$appcode)
 {
  $result = $conn->query("DELETE FROM $table WHERE acode='$appcode'");
  return $result;
 }

 function CheckAppointment($conn,$table,$appcode)
 {
  $result = $conn->query("SELECT * FROM  $table WHERE  acode LIKE '%$appcode%' ");
  return $result;
 }


 function DeleteUser($conn,$table,$username)
 {
  $result = $conn->query("DELETE FROM $table WHERE username='$username'");
  return $result;
 }

 function ShowAll($conn,$table)
 {
$result = $conn->query("SELECT * FROM  $table");
 return $result;
 }

function CloseCon($conn)
 {
 $conn -> close();
 }
}
?>
```