

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Summer2019-2020**

**Project Title:Payroll System**

**Section: F**

|  |  |
| --- | --- |
| Student Name | Student Id |
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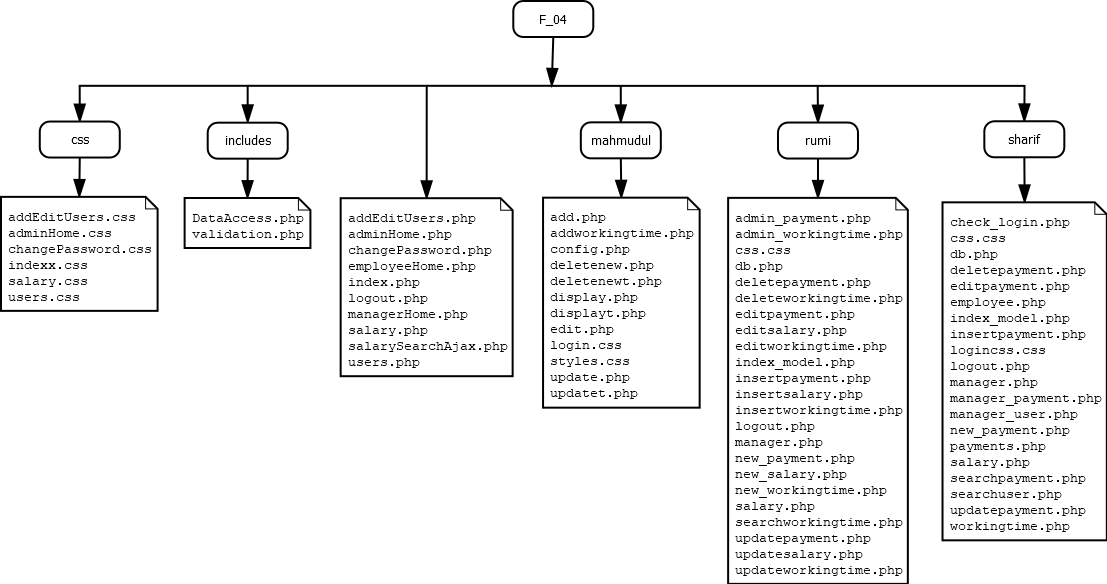
**Project Description:**

Managing accounts and maintaining proper records of employee’s manually is a complex and longtime process. We are doing this project for companies to make their time short, task easier and to reduce their cost. This web application will store employee’s information & salaries accurately and quickly. This web application will provide a complete solution of a company’s payroll needs.

There are three users. They are admin, manager & employee. The main functionalities are given below:

* **Admin:** login, logout, change password & all CRUD and search operations of users, salary, working time, payment
* **Manager:** login, logout & employee’s CRUD and search operations of users, salary, working time, payment
* **Employee:** login, logout, self information read and update & read salary, working time, payment

**Project Folder Structure:**

****

**Core Modules of the Project:**

***index.php***

*<?php*

*require\_once "includes/DataAccess.php";*

*require\_once "includes/validation.php";*

*session\_start();*

*$da=new DataAccess();*

*date\_default\_timezone\_set("Asia/Dhaka");*

*$time= date("h:i:s a");*

*$date= date("d-M-Y");*

*if ($\_SERVER["REQUEST\_METHOD"] == "POST") {*

*if (isset($\_POST["u\_login"])) {*

*$fieldsArr=["u\_id","u\_password","u\_login"];*

*if(!validateFieldName($fieldsArr, $\_POST)){*

*$\_SESSION['msg']="Field names are not matching!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else {*

*if(!validateString($\_POST['u\_id']) || !validateString($\_POST['u\_password'])){*

*$\_SESSION['msg']="Filed values can not be empty!";*

*$\_SESSION['msg\_type']="danger";*

*$uname=$\_POST['u\_id'];*

*}*

*else{*

*$query="select u\_id from users";*

*if($da->GetTotalNumberOfRows($query)<1){*

*$\_SESSION['no\_user']="no\_user";*

*$\_SESSION['u\_name']="no\_user";*

*header("Location: addEditUsers.php");*

*}*

*$query="select u\_id, u\_name, u\_password, u\_role from users where u\_id='".$\_POST['u\_id']."'";*

*$totalRows=$da->GetTotalNumberOfRows($query);*

*if($totalRows<1){*

*$\_SESSION['msg']="'".$\_POST['u\_id']."' user does not exists!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else{*

*$rows=$da->ExecuteQuery($query);*

*$arr=$da->ConvertRowsToArray($rows);*

*$uname=$arr['u\_id'];*

*if(!password\_verify ($\_POST['u\_password'] , $arr['u\_password'] )){*

*$\_SESSION['msg']="Wrong Password!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else{*

*$\_SESSION["u\_id"]=$arr['u\_id'];*

*$\_SESSION["u\_name"]=$arr['u\_name'];*

*//cookie*

*$cookie\_name = $\_SESSION["u\_id"];*

*$cookie\_value = $\_SESSION["u\_name"];*

*if(!isset($\_COOKIE[$cookie\_name])) {*

*setcookie($cookie\_name, $cookie\_value, time() + (86400 \* 7), "/"); // 86400s = 1 day*

*}*

*//cookie*

*if($arr['u\_role']=="admin"){*

*header("Location: adminHome.php");*

*}*

*if($arr['u\_role']=="manager"){*

*header("Location: u/m.php");*

*}*

*if($arr['u\_role']=="employee"){*

*header("Location: u/e.php");*

*}*

*}*

*//$pass=password\_hash("123", PASSWORD\_DEFAULT);*

*}*

*}*

*}*

*}*

*}*

*?>*

*<html lang="en">*

*<head>*

*<!-- Required meta tags -->*

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

*<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">*

*<!-- font awesome -->*

*<link rel="stylesheet" type="text/css" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.12.0-1/css/all.min.css">*

*<link rel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">*

*<!-- Bootstrap CSS -->*

*<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">*

*<link rel="stylesheet" type="text/css" href="css/indexx.css">*

*<title>Login</title>*

*</head>*

*<body>*

*<header>*

*<nav class="navbar navbar-expand-md navbar-dark bg-dark">*

*<div class="container">*

*<a class="navbar-brand text-white" href="index.php"><i id="logo"></i><b>Payroll System</b></a>*

*<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#nav" aria-controls="navbarsExampleDefault" aria-expanded="false" aria-label="Toggle navigation">*

*<span class="navbar-toggler-icon"></span>*

*</button>*

*<div class="collapse navbar-collapse" id="nav">*

*<ul class="navbar-nav ml-auto">*

*<li class="nav-item ">*

*<a class="nav-link " href="#"><i class="fa fa-clock-o" aria-hidden="true"></i><?php echo $time; ?></a>*

*</li>*

*<li class="nav-item">*

*<a class="nav-link " href="#"><i class="fa fa-calendar" aria-hidden="true"></i><?php echo $date; ?></a>*

*</li>*

*<!-- <li class="nav-item dropdown">*

*<a class="nav-link dropdown-toggle" href="#" id="navbarDropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" >*

*<i class="fa fa-user"></i> XXXXX.xxx*

*</a>*

*<div class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink" >*

*<a class="dropdown-item" href="#"> LOGOUT</a>*

*</div>*

*</li> -->*

*</ul>*

*</div>*

*</div>*

*</nav>*

*<?php if (isset($\_SESSION["msg"])) { ?>*

*<div class="alert alert-<?=$\_SESSION['msg\_type']?>" role="alert">*

*<?php*

*echo $\_SESSION['msg'];*

*unset($\_SESSION['msg']);*

*unset($\_SESSION['msg\_type']);*

*?>*

*</div>*

*<?php } ?>*

*</header>*

*<div class="container col-xs-12 col-sm-12 col-md-8 col-lg-6">*

*<!-- <h2>Login Page</h2>*

*<p>Login or register from here to access.</p> -->*

*<form id="login\_form" class="mt-xs-5 p-md-5 shadow" method="POST" action="<?php echo $\_SERVER['PHP\_SELF']; ?> ">*

*<h2 style="text-align: center; margin-bottom: 20px; color: #212529;">Login</h2>*

*<div class="form-group">*

*<input type="text" name="u\_id" class="form-control" placeholder="User Name" value="<?php if(isset($uname)){echo $uname;} ?>">*

*</div>*

*<div class="form-group">*

*<input type="password" name="u\_password" class="form-control" placeholder="Password">*

*</div>*

*<button type="submit" name="u\_login" class="btn btn-primary col mb-md-5 mb-2">Login</button>*

*</form>*

*</div>*

*<!-- Optional JavaScript -->*

*<!-- jQuery first, then Popper.js, then Bootstrap JS -->*

*<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>*

*<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>*

*<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>*

*</body>*

***users.php***

*<?php*

*require\_once "includes/DataAccess.php";*

*require\_once "includes/validation.php";*

*session\_start();*

*if(!isset($\_SESSION['u\_id']) || !isset($\_SESSION['u\_name'])){*

*header("Location: index.php");*

*}*

*$da=new DataAccess();*

*date\_default\_timezone\_set("Asia/Dhaka");*

*$time= date("h:i:s a");*

*$date= date("d-M-Y");*

*$query="select \* from users";*

*$rows=$da->ExecuteQuery($query);*

*$rowCount=0;*

*if($\_SERVER['REQUEST\_METHOD']=="GET"){*

*if (isset($\_GET['deleteId'])) {*

*if(!validateString($\_GET['deleteId'])){*

*$\_SESSION['msg']="Delete Id can not be empty!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else{*

*$query="delete from users where u\_id='".$\_GET['deleteId']."'";*

*if($da->ExecuteQuery($query)){*

*$\_SESSION['msg']="'".$\_GET['deleteId']."' user deleted successfully!";*

*$\_SESSION['msg\_type']="success";*

*}*

*else{*

*$\_SESSION['msg']="Something went wrong when deleted '".$\_GET['deleteId']."' !";*

*$\_SESSION['msg\_type']="danger";*

*}*

*}*

*}*

*}*

*if($\_SERVER['REQUEST\_METHOD']=="POST"){*

*if (isset($\_POST['u\_search'])) {*

*$fieldsArr=["u\_name"];*

*if (!validateFieldName($fieldsArr, $\_POST)) {*

*$\_SESSION['msg']="Field names are not matching!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else{*

*if(!validateString($\_POST['u\_name'])){*

*$\_SESSION['msg']="Search box can not be empty!";*

*$\_SESSION['msg\_type']="danger";*

*}*

*else{*

*$query="select \* from users where u\_name like '%".$\_POST['u\_name']."%'";*

*$rows=$da->ExecuteQuery($query);*

*$n=$da->GetTotalNumberOfRows($query);*

*if($n>1){ $\_SESSION['msg']=$n." results found!";}*

*else{$\_SESSION['msg']=$n." result found!";}*

*$\_SESSION['msg\_type']="success";*

*}*

*}*

*}*

*}*

*?>*

*<html lang="en">*

*<head>*

*<!-- Required meta tags -->*

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

*<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">*

*<!-- font awesome -->*

*<link rel="stylesheet" type="text/css" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css">*

*<link rel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">*

*<!-- Bootstrap CSS -->*

*<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">*

*<link rel="stylesheet" type="text/css" href="css/users.css">*

*<title>Users</title>*

*</head>*

*<body>*

*<header>*

*<nav class="navbar navbar-expand-md navbar-dark bg-dark" id="nav">*

*<div class="container">*

*<a class="navbar-brand text-white" href="adminHome.php"><i id="logo"></i><b>Payroll System</b></a>*

*<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#nav" aria-controls="navbarsExampleDefault" aria-expanded="false" aria-label="Toggle navigation">*

*<span class="navbar-toggler-icon"></span>*

*</button>*

*<div class="collapse navbar-collapse" id="nav">*

*<ul class="navbar-nav ml-auto">*

*<li class="nav-item dropdown">*

*<a class="nav-link dropdown-toggle" href="#" id="navbarDropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" >*

*<i class="fa fa-user"></i> <?php echo $\_SESSION['u\_name']; ?>*

*</a>*

*<div class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink" >*

*<a class="dropdown-item" href="changePassword.php"><i class="fas fa-exchange-alt"></i>Change Password</a>*

*<a class="dropdown-item" href="logout.php"><i class="fas fa-sign-out-alt"></i>Logout</a>*

*</div>*

*</li>*

*<li class="nav-item ">*

*<a class="nav-link " href="#"><i class="fa fa-clock-o" aria-hidden="true"></i><?php echo $time; ?></a>*

*</li>*

*<li class="nav-item">*

*<a class="nav-link " href="#"><i class="fa fa-calendar" aria-hidden="true"></i><?php echo $date; ?></a>*

*</li>*

*</ul>*

*</div>*

*</div>*

*</nav>*

*</header>*

*<nav aria-label="breadcrumb">*

*<ol class="breadcrumb">*

*<li class="breadcrumb-item"><a href="adminHome.php">Home</a></li>*

*<li class="breadcrumb-item active" aria-current="page">Users</li>*

*</ol>*

*</nav>*

*<?php if (isset($\_SESSION["msg"])) { ?>*

*<div class="my-0 alert alert-<?=$\_SESSION['msg\_type']?>" role="alert">*

*<?php*

*echo $\_SESSION['msg'];*

*unset($\_SESSION['msg']);*

*unset($\_SESSION['msg\_type']);*

*?>*

*</div>*

*<?php } ?>*

*<div class="container-fluid">*

*<form class="form-inline float-right mt-4 mb-0" action="<?php echo $\_SERVER['PHP\_SELF']; ?> " method="POST">*

*<div class="form-group mb-2">*

*<input type="text" name="u\_name" class="form-control" id="inputPassword2" placeholder="Search by name">*

*</div>*

*<button type="submit" name="u\_search" class="btn btn-info mb-2 ml-2"><i class="fa fa-search" aria-hidden="true"></i></button>*

*</form>*

*<form method="POST" action="addEditUsers.php" class="d-inline-block">*

*<button type="submit" name="addUsers" value="#autogenerated-id" onclick="window.location.href='addEditUsers.php'" class="btn btn-success m-0 mt-4"><i class="fa fa-plus" aria-hidden="true"></i></button>*

*</form>*

*<button type="button" onclick="window.location.href='users.php'" class="btn btn-primary m-0 mt-4"><i class="fa fa-refresh" aria-hidden="true"></i></button>*

*<table class="table table-hover">*

*<thead class="">*

*<tr>*

*<th scope="col">#</th>*

*<th scope="col">u\_id</th>*

*<th scope="col">u\_role</th>*

*<th scope="col">u\_name</th>*

*<th scope="col">u\_phone</th>*

*<th scope="col">u\_email</th>*

*<th scope="col">u\_dob</th>*

*<th scope="col">u\_address</th>*

*<th scope="col">Edit</th>*

*<th scope="col">Delete</th>*

*</tr>*

*</thead>*

*<tbody>*

*<?php while($arr = $da->ConvertRowsToArray($rows)){ $rowCount++; ?>*

*<tr>*

*<th scope="row"><?php if(isset($arr)){echo $rowCount;} ?></th>*

*<td><?php if(isset($arr)){echo $arr['u\_id'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_role'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_name'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_phone'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_email'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_dob'];} ?></td>*

*<td><?php if(isset($arr)){echo $arr['u\_address'];} ?></td>*

*<td><a href="addEditUsers.php?editId=<?php echo $arr['u\_id']?>"><i class="fa fa-pencil text-warning" aria-hidden="true"></i></a></td>*

*<td><a href="users.php?deleteId=<?php echo $arr['u\_id']?>"><i class="fa fa-trash text-danger" aria-hidden="true"></i></a></td>*

*</tr>*

*<?php } ?>*

*</tbody>*

*</table>*

*</div>*

*<!-- Optional JavaScript -->*

*<!-- jQuery first, then Popper.js, then Bootstrap JS -->*

*<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>*

*<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>*

*<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>*

*</body>*

***salarySearchAjax.php***

*<?php*

*require\_once "includes/DataAccess.php";*

*require\_once "includes/validation.php";*

*session\_start();*

*if(!isset($\_SESSION['u\_id']) || !isset($\_SESSION['u\_name'])){*

*header("Location: index.php");*

*}*

*$da=new DataAccess();*

*$users\_query="select u\_id, u\_name, u\_role from users";*

*$users\_rows=$da->ExecuteQuery($users\_query);*

*$users\_rowCount=0;*

*if($\_SERVER["REQUEST\_METHOD"]=="GET"){*

*$users\_query="select \* from users where u\_name like '%".$\_GET['u\_name']."%'";*

*$users\_rows=$da->ExecuteQuery($users\_query);*

*$n=$da->GetTotalNumberOfRows($users\_query);*

*if($n>1){ $\_SESSION['msg']=$n." results found!";}*

*else{$\_SESSION['msg']=$n." result found!";}*

*$\_SESSION['msg\_type']="success";*

*}*

*?>*

*<?php while($users\_arr = $da->ConvertRowsToArray($users\_rows)){*

*$users\_rowCount++;*

*// ----------salary----------*

*$salary\_query="select s\_id, s\_amount from salary where u\_id='".$users\_arr['u\_id']."'";*

*$salary\_rows=$da->ExecuteQuery($salary\_query);*

*$salary\_arr = $da->ConvertRowsToArray($salary\_rows);*

*// ----------salary----------*

*?>*

*<tr>*

*<th scope="row"><?php if(isset($users\_arr)){echo $users\_rowCount;} ?></th>*

*<td><?php if(isset($users\_arr)){echo $users\_arr['u\_id'];} ?></td>*

*<td><?php if(isset($users\_arr)){echo $users\_arr['u\_name'];} ?></td>*

*<td><?php if(isset($users\_arr)){echo $users\_arr['u\_role'];} ?></td>*

*<!-- ----------salary---------- -->*

*<td><?php if(isset($salary\_arr)){echo $salary\_arr['s\_id'];} else{echo "-";} ?></td>*

*<td><?php if(isset($salary\_arr)){echo $salary\_arr['s\_amount'];} else{echo "-";} ?></td>*

*<!-- ----------salary---------- -->*

*<td><a href="salary.php?s\_u\_id=<?php echo $users\_arr['u\_id']?>"><i class="fa fa-pencil text-warning" aria-hidden="true"></i></a></td>*

*</tr>*

*<?php } ?>*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CO2 and CO4Evaluation: Project Report Evaluation** | | | | | |
| **Completeness**  **(5)** | **Validation**  **(5)** | **Feature Implementation**  **(5)** | **Concept Understanding**  **(5)** | **Promptness(5)** | **Total (25)** |
|  |  |  |  |  |  |
|  | | | | | |