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SCHOOL OF COMPUTING
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SEMESTER 2/20212022

SECV1223 - WEB PROGRAMMING

SECTION 09

Leave Application Management System

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Group 1

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1. File Information

Function	File name
Login page	login.php
Main page	main.php
Configuration file	config.php
Create database file	create_database.php
Create table files	create_date_leave.php create_employee_position.php create_leave_application.php create_login.php create_profile.php
Insert data into table file	add_user.php
Form files (data manipulation)	approval_form.php leave_form.php profile_form.php update_form.php
Data update file (data manipulation in database)	add_profile.php approval_application.php delete_profile.php leave_application.php update_profile.php
View data file	view_admin.php view_application.php view_manager.php

	view_report.php view_staff.php view_status.php view_sort_id.php view_sort_date.php view_search_id.php
Verify login file	verify_login.php
Logout file	logout.php

2. Name of database

group1database

3. Login details

Username	Password	User level
admin1	adm123	1
admin2	adm234	1
manager1	mngr123	2
manager2	mngr234	2
manager3	mngr345	2
amirah	amirah1	3
bilkis	bilkis1	3
fatin	fatin1	3

nurin	nurin1	3
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4. Explanation

1. Usage of session

The implementation of session concept is included in most of the files as some files have the same interface and only differ with each other by minor elements. To avoid having more than one file with the same exact code, we implement a session so that the server knows parts that need to be executed. One of the implementations of the session is in the main page, where the main page for admin is different from manager and staff, same goes to manager and staff.

The following is the code and interface if it meets the condition for the session.

```

if($_SESSION["LEVEL"] ==1){
?>

<html>
<head>
<title>Admin</title>
<link rel="stylesheet" href="layout.css">
</head>

<body>
<div class = header>
<img src = "header.png" />
<h2>Welcome, Admin</h2>
<!-- <button onclick = "document.location='logout.php'">Log out</button> -->
</div>
<div class="menu">

<ul>
<li><a href = "view_admin.php">Admin Profile</a></li>
<li><a href = "view_staff.php">Staff Profile</a></li>
<li><a href = "view_manager.php">Manager Profile</a></li>
<li><a href = "view_report.php">Leave Application Report</a></li>
<li><a href = "view_status.php?empID=?php echo $rows['empID']; ?>">Application Status</a></li>
<li><a href = "leave_form.php?empID=?php echo $rows['empID']; ?>">Apply Leave</a></li>
<li><a href = "profile_form.php?empID=?php echo $rows['empID']; ?>">Add New Profile</a></li>
<li><a href = "update_form.php?empID=?php echo $rows['empID']; ?>">Edit Profile</a></li>
</ul>
</div>

```

Leave Application System

Welcome, Admin

[Admin Profile](#)

[Staff Profile](#)

[Manager Profile](#)

[Leave Application Report](#)

[Application Status](#)

[Apply Leave](#)

[Add New Profile](#)

[Edit Profile](#)

[Log out](#)

```
} else if ($_SESSION["LEVEL"] ==2){

m1>
<head>
  <title>Manager</title>
  <link rel="stylesheet" href="layout.css">
</head>

<body>
  <div class = header>
    <img src ="header.png" />
    <h2>Welcome, Manager</h2>
    <button onclick ="document.location='logout.php'">Log out</button>
  </div>
  <div class="menu">
    <ul>
      <li><a href = "view_application.php">Leave Application</a></li>
      <li><a href = "view_report.php">Leave Application Report</a></li>
      <li><a href = "leave_form.php?empID=<?php echo $rows['empID']; ?>">Apply Leave</a></li>
      <li><a href = "update_form.php?empID=<?php echo $rows['empID']; ?>">Edit My Profile</a></li>
    </ul>
  </div>
}
```

Leave Application System

Welcome, Manager

Log out

Leave
Application

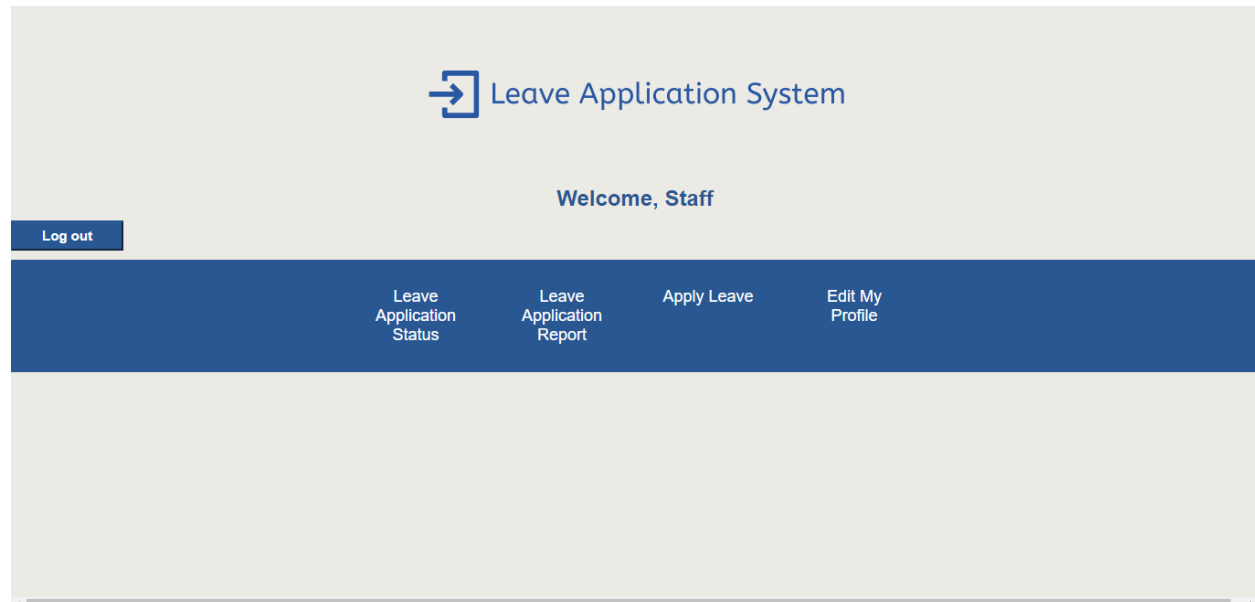
Leave
Application
Report

Apply Leave

Edit My
Profile

```
<?php
    } else if ($_SESSION["LEVEL"] ==3){
?>

<html>
    <head>
        <title>Staff</title>
        <link rel="stylesheet" href="layout.css">
    </head>
    <body>
        <div class = header>
            <img src ="header.png" />
            <h2>Welcome, Staff</h2>
            <button onclick ="document.location='logout.php'">Log out</button>
        </div>
        <div class="menu">
            <ul>
                <li><a href = "view_status.php?empID=<?php echo $rows['empID']; ?>">Leave Application Status</a></li>
                <li><a href = "view_report.php?empID=<?php echo $rows['empID']; ?>">Leave Application Report</a></li>
                <li><a href = "leave_form.php?empID=<?php echo $rows['empID']; ?>">Apply Leave</a></li>
                <li><a href = "update_form.php?empID=<?php echo $rows['empID']; ?>">Edit My Profile</a></li>
            </ul>
        </div>
    </body>
</html>
```



2. Benefit of using Cookie

Cookies are text files with small pieces of data that are used to identify specific users such as a username and password. HTTP cookies help web developers to give its users a more personal and convenient website visit by remembering the user and their website logins.

3. User input validation

Every input by the user will be validated based on the terms and conditions that are set in the code. If the input did not meet the requirement, then an error message will be popped up and shown to the user to notify the user that the input is invalid and the process cannot proceed. The following is an example of input validation where the user enters invalid input that causes an error message to be shown.

```
if( document.addprofile.empName.value == "" ||  
    document.addprofile.empName.value.length > 25)  
{  
    alert( "Please provide your name in between 1 to 25 characters!" );  
    document.addprofile.empName.focus() ;  
    return false;  
}
```

The screenshot shows a web browser window displaying a form titled "Insert New Employee Profile". An alert dialog box is open, displaying the message "localhost says" and "Please provide your name in between 1 to 25 characters!". The dialog has a blue "OK" button. Below the dialog, the form title "Insert New Employee Profile" is visible in a bold, dark blue font. Underneath the title, the label "Name" is followed by an empty text input field. The rest of the form is partially obscured by the dialog box.

4. DOM through JavaScript

The concept of DOM is implemented in the script section where it belongs to the javascript. This concept is implemented to retrieve specific data to be evaluated or to be included in any process. As for the following example, the concept of DOM is used to retrieve the startLeave field to be passed as an argument and see if it meets the requirement in the validation.

```
if( document.leaveapplication.startLeave.value == "" )  
{  
    alert( "Please provide the starting date you're leaving" );  
    document.leaveapplication.startLeave.focus() ;  
    return false;  
}
```