**THIẾT KẾ WEB – ASSIGNMENT 06**

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**A01\_1.html**

<!DOCTYPE html>

<html>

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

    <title>A01\_1</title>

    <script src="../JQuery/jquery-3.6.0.js"></script>

    <link href="A01\_1.css" rel="stylesheet" type="text/css" />

    <script>

        $(*function*() {

            $("button").click(*function*() {

*var* timeHr = $("#InputTime").val();

*var* str;

*if* (0 >= timeHr)

                    str = "Giờ bạn nhập chưa hợp lệ. Vui lòng nhập giờ trong phạm vi từ 0 - 23.";

*else*

*if* (timeHr <= 12)

                        str = "Chào buổi sáng!";

*else*

*if* (timeHr <= 17)

                            str = "Chào buổi chiều!";

*else*

*if* (timeHr <= 23)

                                str = "Chào buổi tối!";

*else*

                                str = "Giờ bạn nhập chưa hợp lệ. Vui lòng nhập giờ trong phạm vi từ 0 - 23.";

                document.getElementById("HelloDiv").innerHTML = str;

            });

        });

    </script>

</head>

<body>

    <div id="title"> CHÀO THEO GIỜ </div>

    <div id="InputDiv">

        <span> Nhập giờ: </span> &emsp;

        <input type="text" id="InputTime"/>

    </div>

    <div id="HelloDiv"></div>

    <div id="button">

        <button> Chào </button>

    </div>

</body>

</html>

**A01\_1.css**

*@charset* "utf-8";

body {

    width: 400px;

    padding: 0;

    margin: 0 auto;

    font-family: Verdana, Geneva, Tahoma, sans-serif;

}

#title {

    background-color: #99CAF8;

    text-align: center;

    font-weight: bolder;

    color: #1B27D5;

    font-size: 30px;

}

#InputDiv {

    background-color: #C6EDEC;

    padding: 5px;

}

#HelloDiv {

    text-align: center;

    background-color: #C6EDEC;

    padding: 5px;

}

#button {

    background-color: #98CBFE;

    text-align: center;

    padding: 3px;

}

**Result**

**Graphical user interface, website

Description automatically generated**

**A01\_2.html**

<!DOCTYPE html>

<html>

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

    <title>A01\_2</title>

    <link href='https://fonts.googleapis.com/css?family=Sriracha' rel='stylesheet'>

    <script src="../JQuery/jquery-3.6.0.js"></script>

    <link href="A01\_2.css" rel="stylesheet" type="text/css" />

    <script>

        $(*function*() {

            $("button").click(*function*() {

*var* radius = $("#radius").val();

*var* area, diameter;

                area = Math.pow(radius, 2) \* Math.PI;

                diameter = 2 \* Math.PI \* radius;

                document.getElementById("area").value = area;

                document.getElementById("diameter").value = diameter;

            })

        })

    </script>

</head>

<body>

    <div id="title"> DIỆN TÍCH và CHU VI<br>HÌNH TRÒN </div>

    <table id="main">

        <tr>

            <td id="item"> Bán kính: </td>

            <td id="content"> <input id="radius" type="text"> </td>

        </tr>

        <tr>

            <td> Diện tích: </td>

            <td> <input id="area" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td> Chu vi: </td>

            <td> <input id="diameter" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td colspan="2" id="calcell"> <button id="cal"> Tính </button> </td>

        </tr>

    </table>

</body>

</html>

**A01\_2.css**

*@charset* "utf-8";

body {

    width: 470px;

    margin: 0 auto;

    padding: 0;

    font-family: Verdana, Geneva, Tahoma, sans-serif;

}

#title {

    background-color: #FDCB68;

    font-family: 'Sriracha';

    text-align: center;

    font-size: 35px;

    line-height: 1.2;

    color: #A34C04;

}

#main {

    width: 100%;

    padding: 0 5px;

    background-color: #FEEBCA;

}

#item {

    width: 40%;

}

tr, td, input, button {

    padding: 5px;

}

#calcell {

    text-align: center;

}

input#area, input#diameter {

    background-color: #F7CECE;

}

**Result**

**Graphical user interface, timeline

Description automatically generated with medium confidence**

**A01\_3.html**

<!DOCTYPE html>

<html>

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

    <title>A01\_3</title>

    <link href='https://fonts.googleapis.com/css?family=Sriracha' rel='stylesheet'>

    <script src="../JQuery/jquery-3.6.0.js"></script>

    <link href="A01\_3.css" rel="stylesheet" type="text/css" />

    <script>

        $(*function*() {

            $("button").click(*function*() {

*var* num = $("#inputCell").val();

*var* NumArr = "";

*for* (i = 0; i < num; i++) {

*if* (i != num - 1) {

                        NumArr = NumArr + Math.floor((Math.random() \* 20) + 1) + " ";

                    } *else* {

                        NumArr = NumArr + Math.floor((Math.random() \* 20) + 1);

                    }

                }

                document.getElementById("array").value = NumArr;

*var* EleNum = NumArr.split(' ');

*var* Sum = 0;

*var* max = Math.max.apply(Math, EleNum);

*var* min = Math.min.apply(Math, EleNum);

                $.each(EleNum, *function*(index, value) {

                    Sum += Number(value);

                });

                document.getElementById("maxValue").value = max;

                document.getElementById("minValue").value = min;

                document.getElementById("sum").value = Sum;

            })

        })

    </script>

</head>

<body>

    <table id="container">

        <tr id="title">

            <td colspan="2"> PHÁT SINH MẢNG VÀ TÍNH TOÁN </td>

        </tr>

        <tr>

            <td id="left\_1"> Nhập số phần tử: </td>

            <td id="right\_1"> <input id="inputCell" type="text"> </td>

        </tr>

        <tr>

            <td id="left\_2"></td>

            <td id="right\_2"> <button id="cal"> Phát sinh và tính toán </button> </td>

        </tr>

        <tr>

            <td id="left"> Mảng: </td>

            <td id="right"> <input id="array" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td id="left"> GTLN (MAX) trong mảng: </td>

            <td id="right"> <input id="maxValue" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td id="left"> GTNN (MIN) trong mảng: </td>

            <td id="right"> <input id="minValue" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td id="left"> Tổng mảng: </td>

            <td id="right"> <input id="sum" type="text" readonly="readonly"> </td>

        </tr>

        <tr>

            <td colspan="2" id="noteDiv"> (<span id="note">Ghi chú:</span> Các phần tử trong mảng sẽ có giá trị từ 0 đến 20) </td>

        </tr>

    </table>

</body>

</html>

**A01\_3.css**

*@charset* "utf-8";

body {

    width: 650px;

    padding: 0;

    margin: 0 auto;

    font-family: Verdana, Geneva, Tahoma, sans-serif;

}

#container {

    background-color: #FEECF8;

    width: 100%;

}

tr {

    margin: 5px;

    padding: 3px;

}

#title {

    background-color: #980065;

    font-family: 'Sriracha';

    text-align: center;

    font-size: 35px;

    color: white;

    padding: 0;

    margin: 0;

}

#left, #left\_1, #left\_2 {

    width: 40%;

    padding: 5px 10px;

}

#right, #right\_1, #right\_2 {

    padding: 3px;

}

#left\_1, #left\_2, #right\_1, #right\_2 {

    background-color: #FDCDE7;

}

input {

    height: 23px;

    font-size: 16px;

}

#cal {

    font-size: 17px;

    padding: 3px;

    text-align: center;

    background-color: #FEFC96;

    width: 220px;

}

#inputCell {

    width: 250px;

}

#array {

    width: 330px;

    background-color: #FE969B;

}

#maxValue, #minValue, #sum {

    background-color: #FE969B;

}

#noteDiv {

    text-align: center;

    padding: 5px;

}

#note {

    color: #CF174B;

    font-weight: bold;

}

**Result**

**Graphical user interface

Description automatically generated**

**A02.php**

<!DOCTYPE html>

<html>

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

    <title> A02 </title>

    <link href="A02.css" rel="stylesheet" type="text/css" />

    <?php

*// define variables and set to empty values*

        $nameErr = $emailErr = $genderErr = "";

        $nameStyle = $emailStyle = $genderStyle = "";

        $name = $email = $gender = $website = $comment = "";

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

*if* (empty($\_POST["name"])) {

                $nameErr = "Name is required";

                $nameStyle='style="background-color: #FDECB2;"';

            } *else* {

                $name = test\_input($\_POST["name"]);

            }

*if* (empty($\_POST["email"])) {

                $emailErr = "Email is required";

                $emailStyle='style="background-color: #FDECB2;"';

            } *else* {

                $email = test\_input($\_POST["email"]);

            }

*if* (empty($\_POST["website"])) {

                $website = "";

            } *else* {

                $website = test\_input($\_POST["website"]);

            }

*if* (empty($\_POST["comment"])) {

                $comment = "";

            } *else* {

                $comment = test\_input($\_POST["comment"]);

            }

*if* (empty($\_POST["gender"])) {

                $genderErr = "Gender is required";

                $genderStyle='style="background-color: #FDECB2;"';

            } *else* {

                $gender = test\_input($\_POST["gender"]);

            }

        }

*function* test\_input($data) {

            $data = trim($data);

            $data = stripslashes($data);

            $data = htmlspecialchars($data);

*return* $data;

        }

    ?>

</head>

<body>

    <div id="container">

        <h2> PHP Form Validation Example </h2>

        <p><span class="error"> \* require field. </span></p>

        <form method="post" action="<?php echo htmlspecialchars($\_SERVER['PHP\_SELF']);?>">

            <div id="row-name" <?php echo $nameStyle; ?>>

                <div id="col1"> Name: </div>

                <div id="col2">

                    <input type="text" name="name"/>

                    <span class="error">\* <?php echo $nameErr;?></span>

                </div>

            </div>

            <div id="row-email" <?php echo $emailStyle; ?>>

                <div id="col1"> Email: </div>

                <div id="col2">

                    <input type="text" name="email"/>

                    <span class="error">\* <?php echo $emailErr;?></span>

                </div>

            </div>

            <div id="row-website">

                <div id="col1"> Website: </div>

                <div id="col2">

                    <input type="text" name="website"/>

                </div>

            </div>

            <div id="row-cmt">

                <div id="col1"> Comment: </div>

                <div id="col2" class="cmt">

                    <textarea name="comment" rows="5" cols="40"></textarea>

                </div>

            </div>

            <div id="row-gender" <?php echo $genderStyle; ?>>

                <div id="col1"> Gender: </div>

                <div id="col2">

                    <input type="radio" name="gender" value="female"> Female

                    <input type="radio" name="gender" value="male"> Male

                    <span class="error">\* <?php echo $genderErr;?></span>

                </div>

            </div>

            <div id="row">

                <div id="col1"></div>

                <div id="col2">

                    <input type="submit" name="submit" value="Submit">

                </div>

            </div>

        </form>

    </div>

    <?php

        echo "<h3> Your Input: </h3>";

        echo "<table>

              <tr>

              <td id='col'> Name: </td>

              <td>";

        echo $name;

        echo "</td> </tr> <tr>

              <td id='col'> Email: </td> <td>";

        echo $email;

        echo "</td> </tr> <tr>

              <td id='col'> Website: </td> <td>";

        echo $website;

        echo "</td> </tr> <tr>

              <td id='col'> Comment: </td> <td>";

        echo $comment;

        echo "</td> </tr> <tr>

              <td id='col'> Gender: </td> <td>";

        echo $gender;

        echo "</td> </tr> </table>";

    ?>

</body>

</html>

**A02.css**

*@charset* "utf-8";

body {

    font-family: sans-serif;

}

h2 {

    text-align: center;

}

.error {color: #FF0000;}

#container {

    width: 500px;

    margin: 0 auto;

    padding: 0;

}

form {

    display: table;

}

#row, #row-name, #row-email, #row-website, #row-cmt, #row-gender {

    display: table-row;

    padding: 10px;

}

#col1 {

    display: table-cell;

    width: 30%;

    padding: 8px 10px;

}

#col2 {

    display: table-cell;

}

input {

    height: 18px;

}

.cmt {

    padding: 8px 0;

}

#col {

    width: 50px;

}

**Result**

**Graphical user interface, text

Description automatically generated Graphical user interface, text

Description automatically generated**

**A03.html**

<!DOCTYPE html>

<html>

<head>

    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

    <title>A03</title>

    <script src="../JQuery/jquery-3.6.0.js"></script>

    <link href="A03.css" rel="stylesheet" type="text/css"/>

    <script>

*function* ConnectToMySQL() {

*var* ConnectType = "ConnectToMySQL";

*if* (window.XMLHttpRequest) {

*// code for IE7+, Firefox, Chrome, Opera, Safari*

                xmlhttp = new XMLHttpRequest();

            } *else* { *// code for IE6, IE5*

                xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");

            }

            xmlhttp.onreadystatechange = *function*() {

*if* (*this*.readyState == 4 && *this*.status == 200) {

                    document.getElementById("AccountDiv").innerHTML = *this*.responseText;

                }

            }

            xmlhttp.open("GET", "ConnectType.php?ConnectType=" + ConnectType, true);

            xmlhttp.send();

        }

*var* obj = {"table": "account", "ID": "", "FirstName": "", "LastName": "", "Email": ""};

*function* Search(ele) {

            $var = $("#sr"+ele).val();

*var* dbParam, xmlhttp, myObj, x, txt = "";

            obj[ele] = "%" + $var + "%";

            dbParam = JSON.stringify(obj);

*if* (window.XMLHttpRequest) {

*// code for IE7+, Firefox, Chrome, Opera, Safari*

                xmlhttp = new XMLHttpRequest();

            } *else* { *// code for IE6, IE5*

                xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");

            }

            xmlhttp.onreadystatechange = *function*() {

*if* (*this*.readyState == 4 && *this*.status == 200) {

                    document.getElementById("AccountDiv").innerHTML = *this*.responseText;

                }

            };

            xmlhttp.open("GET", "Search.php?search=" + dbParam, true);

            xmlhttp.send();

        }

    </script>

</head>

<body>

    <form method="post">

        <input type="button" value="Connect to MySQL" onclick="ConnectToMySQL()"> <br/>

    </form>

    <br/>

    <table id="table-data">

        <thead>

            <tr>

                <th id="ID">ID <input id="srID" type="text" placeholder="ID.." onkeyup="Search('ID')"></th>

                <th id="FirstName">Firstname <input id="srFirstName" type="text" placeholder="First name.." onkeyup="Search('FirstName')"></th>

                <th id="LastName">Lastname <input id="srLastName" type="text" placeholder="Last name.." onkeyup="Search('LastName')"></th>

                <th id="Email">Email <input id="srEmail" type="text" placeholder="Email.." onkeyup="Search('Email')"></th>

            </tr>

        </thead>

        <tbody id="AccountDiv"></tbody>

    </table>

</body>

</html>

**A03.css**

*@charset* "utf-8";

table {

    font-family: arial, sans-serif;

    border-collapse: collapse;

    width: 100%;

}

td, th {

    border: 1px solid #dddddd;

    text-align: left;

    padding: 8px;

}

tr:nth-child(even) {

    background-color: #dddddd;

}

input {

    border: 3px solid #7F7F7F;

}

#ID {

    width: 100px;

}

#FirstName, #LastName {

    width: 260px;

}

#srID {

    width: 60px;

}

#srFirstName, #srLastName {

    width: 65%;

}

#srEmail {

    width: 70%;

}

**Search.php**

<?php

    header("Content-Type: application/json; charset=UTF-8");

    $obj = json\_decode($\_GET["search"], false);

    $servername = "localhost";

    $username = "root";

    $password = "";

    $dbname = "accountinfo";

*//Create connection*

    $conn = new mysqli($servername, $username, $password, $dbname);

*//Check connection*

*if* ($conn->connect\_error) {

        echo "Connection to MySQL could not be established.<br/>";

*die*("Connection failed: " . $conn->connect\_error);

    } *else* {

        $querystr = "SELECT ID, FirstName, LastName, Email FROM " . $obj->table;

        $id = 0; $fn = 0; $ln = 0;

*if* ($obj->ID != "" || $obj->FirstName != "" || $obj->LastName != "" || $obj->Email != "") {

            $querystr = $querystr . " WHERE";

*if* ($obj->ID != "") {

                $querystr = $querystr . " ID LIKE '" . $obj->ID . "'";

                $id = 1;

            }

*if* ($obj->FirstName != "") {

*if* ($id == 1)

                    $querystr = $querystr . " AND";

                $querystr = $querystr . " FirstName LIKE '" . $obj->FirstName . "'";

                $fn = 1;

            }

*if* ($obj->LastName != "") {

*if* ($fn == 1 || $id == 1)

                    $querystr = $querystr . " AND";

                $querystr = $querystr . " LastName LIKE '" . $obj->LastName . "'";

                $ln = 1;

            }

*if* ($obj->Email != "") {

*if* ($ln == 1 || $id == 1 || $fn == 1)

                    $querystr = $querystr . " AND";

                $querystr = $querystr . " Email LIKE '" . $obj->Email . "'";

            }

        }

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

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

            echo "<tr>";

            echo "<td id='ID'>" . $row['ID'] . "</td>";

            echo "<td id='FirstName'>" . $row['FirstName'] . "</td>";

            echo "<td id='LastName'>" . $row['LastName'] . "</td>";

            echo "<td id='Email'>" . $row['Email'] . "</td>";

            echo "</tr>";

        }

    }

?>

**ConnectType.php**

<!DOCTYPE html>

<html>

<head>

    <link href="Demo05.css" rel="stylesheet" type="text/css"/>

</head>

<body>

    <?php

        $Type = $\_GET['ConnectType'];

*if*(strcmp($Type, 'ConnectToMySQL') == 0)

        {

            $servername = "localhost";

            $username = "root";

            $password = "";

            $dbname = "accountinfo";

*// Create connection*

            $conn = new mysqli($servername, $username, $password, $dbname);

*// Check connection*

*if* ($conn->connect\_error) {

                echo "Connection to MySQL could not be established. <br/><br/>";

*die*("Connection failed: " . $conn->connect\_error);

            }

        }

        $sql = "SELECT FirstName, LastName, Email, ID FROM account";

        $result = $conn->query($sql);

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

            echo "<tr>";

            echo "<td id='ID'>" . $row['ID'] . "</td>";

            echo "<td id='FirstName'>" . $row['FirstName'] . "</td>";

            echo "<td id='LastName'>" . $row['LastName'] . "</td>";

            echo "<td id='Email'>" . $row['Email'] . "</td>";

            echo "</tr>";

        }

        mysqli\_close($conn);

    ?>

</body>

</html>

**Result**

**A screenshot of a computer

Description automatically generatedGraphical user interface, text

Description automatically generated**