

Assignment No: 01

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Section: BSSE-7B

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Course Management (PHP + AJAX)</title>
</head>
<body>
    <h2>Add Course Information</h2>
    <input type="text" id="Course_ID" placeholder="Course ID" /><br />
    <input type="text" id="Course_Name" placeholder="Course Name" /><br />
    <input type="text" id="Instructor" placeholder="Instructor" /><br />
    <input type="number" id="Credits" placeholder="Credits" /><br />
    <input type="text" id="Semester" placeholder="Semester" /><br />
    <input type="text" id="Department" placeholder="Department" /><br />
    <input type="button" value="Add Course" id="btnAdd" />
    <input type="button" value="View Courses" id="btnView" /><br /><br />
</body>
<div id="response"></div>
<table
    border="1"
    cellpadding="6"
    id="courseTable"
    style="border-collapse: collapse">
    <thead>
```

```

<tr>
    <th>Course ID</th>
    <th>Course Name</th>
    <th>Instructor</th>
    <th>Credits</th>
    <th>Semester</th>
    <th>Department</th>
</tr>
</thead>
<tbody></tbody>
</table>
<script>
    // ADD COURSE
    document.getElementById("btnAdd").addEventListener("click",
function () {
    var xhr = new XMLHttpRequest();
    xhr.open("POST", "insert.php", true);
    xhr.onload = function () {
        var data = JSON.parse(this.responseText);
        document.getElementById("response").innerHTML = data.message;
        document.getElementById("btnView").click();
    };
    var params =
        "Course_ID=" +
        encodeURIComponent(document.getElementById("Course_ID").value)
+
        "&Course_Name=" +
        encodeURIComponent(document.getElementById("Course_Name").value) +
        "&Instructor=" +

```

```

encodeURIComponent(document.getElementById("Instructor").value) +
    "&Credits=" +
    encodeURIComponent(document.getElementById("Credits").value) +
    "&Semester=" +
    encodeURIComponent(document.getElementById("Semester").value)
+
    "&Department=" +
    encodeURIComponent(document.getElementById("Department").value);

xhr.setRequestHeader(
    "Content-type",
    "application/x-www-form-urlencoded"
);
xhr.send(params);
});

// RETRIEVE COURSES

document.getElementById("btnView").addEventListener("click",
function () {
    var xhr = new XMLHttpRequest();
    xhr.open("GET", "view_courses.php", true);
    xhr.onload = function () {
        var data = JSON.parse(this.responseText);
        var tbody = document.querySelector("#courseTable tbody");
        tbody.innerHTML = "";
        let output = "";
        for (let i = 0; i < data.length; i++) {
            output += `
                <tr>
                <td>${data[i].Course_ID}</td>
                <td>${data[i].Course_Name}</td>
            `;
        }
        tbody.innerHTML = output;
    };
});

```

```

        <td>${data[i].Instructor}</td>
        <td>${data[i].Credits}</td>
        <td>${data[i].Semester}</td>
        <td>${data[i].Department}</td>
    </tr>`;
}

tbody.innerHTML = output;
};

xhr.send();
});

</script>
</body>
</html>

```

Insert.php

```

<?php
include 'db.php';

$Course_ID = $_POST['Course_ID'];
$Course_Name = $_POST['Course_Name'];
$Instructor = $_POST['Instructor'];
$Credits = $_POST['Credits'];
$Semester = $_POST['Semester'];
$Department = $_POST['Department'];

$sql = "INSERT INTO courses (Course_ID, Course_Name, Instructor,
Credits, Semester, Department)
VALUES ('$Course_ID', '$Course_Name', '$Instructor', '$Credits',
'$Semester', '$Department')";

if (mysqli_query($conn, $sql)) {

```

```
    echo json_encode(["message" => "Course added successfully!"]);
} else {
    echo json_encode(["message" => "Error: " . mysqli_error($conn)]);
}
mysqli_close($conn);
?>
```

ViewCourses.php

```
<?php
include
'db.php';
$result
=
mysqli_query(
$courses
$conn
= [];
while (
,
"
SELECT *
FROM
$row =
mysqli_fetch_assoc(
$result
)) {
$courses
[] =
$row;
```

```
}

courses"
);

echo

json_encode(
$courses
);

?>
```

OUTPUT

Add Course Information

Course ID
Course Name
Instructor
Credits
Semester
Department

[Add Course](#) [View Courses](#)

Course ID	Course Name	Instructor	Credits	Semester	Department
CS101	Introduction to CS	Dr. Smith	3	Fall 2024	Computer Science
CS201	Data Structures	Dr. Johnson	4	Spring 2024	Computer Science
se01	dsa	alex	3	2	se

Add Course Information

se01
dsa
alex
3
2
se

[Add Course](#) [View Courses](#)

Course added successfully!

Course ID	Course Name	Instructor	Credits	Semester	Department
CS101	Introduction to CS	Dr. Smith	3	Fall 2024	Computer Science
CS201	Data Structures	Dr. Johnson	4	Spring 2024	Computer Science
se01	dsa	alex	3	2	se