

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
/><br />
    <input type="button" value="Add Course" id="btnAdd" />
    <input type="button" value="View Courses" id="btnView" /><br /><br
/>
    <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=" +

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```

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>
            `
        }
    }
}

```

```

        <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)) {

```

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        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
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

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