

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

**Faculty of Science and Technology (FST)
Department of Computer Science (CS)
Course: Web Technologies**

Lab Task 01: Basic AJAX Request Using JavaScript and PHP

Instructions:

- 1. Complete the task using HTML, JavaScript (Vanilla JS), and PHP.**
- 2. Do not use any JavaScript libraries (jQuery, Axios, etc.).**
- 3. Use .php extension where server interaction is required.**
- 4. Push all files to your GitHub repository after completion.**

Scenario:

Modern web applications communicate with servers without reloading the page. In this lab, you will implement a basic AJAX request to fetch data from the server and display it dynamically on a webpage.

Task Requirements:

Create the following files:

- index.php - frontend UI
- server_time.php - server-side response

Part A: Frontend Page (index.php)

1. Create a simple webpage with:

- A heading: “AJAX Example”
- A button labeled “Get Server Time”
- A <div> to display server response

2. Write JavaScript code to:

- Create an XMLHttpRequest object
- Send a GET request to server_time.php
- Update the <div> content when the response is received

Part B: Server-Side Script (server_time.php)

1. Use PHP to:

- Get the current server date and time
- Echo the result as plain text

Example output:

Server Time: 2026-01-01 10:45:30

Part C: AJAX Workflow

Your JavaScript code must:

- Check readyState === 4
- Check status === 200
- Handle error cases (display an error message)