ASSIGNMENT 1b

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Class: - TE-11 subject: - WADL

Source code

```
Index.html
```

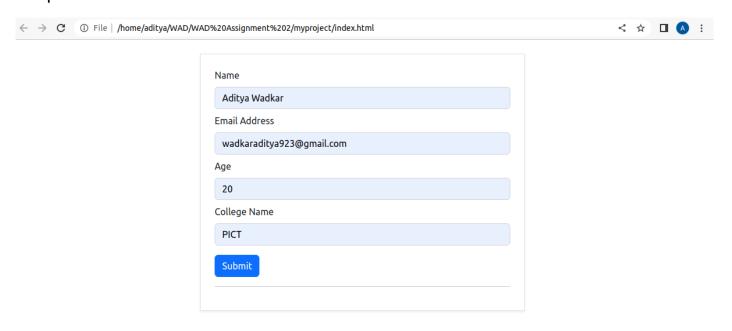
```
<!doctype html>
<html lang="en">
<head>
       <title>Assignment 1B</title>
       <meta charset="utf-8">
       <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
       //cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
       <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.3/jquery.min.js"></script>
</head>
<body>
       <div class="container my-4">
               <form id="addNumberForm" class="p-4 border shadow-sm w-50 mx-auto">
                      <div class="mb-2">
                              <label for="firstName" class="form-label">Name</label>
                              <input type="text" class="form-control" name="firstName" required id="firstName"
aria-describedby="helpId" placeholder="Enter Your Name">
                      </div>
                      <div class="mb-2">
                              <label for="Email" class="form-label">Email Address </label>
                              <input type="email" class="form-control" name="Email" required id="Email" aria-
describedby="helpId" placeholder="Enter Your Email Address">
                      </div>
                      <div class="mb-2">
                              <label for="age" class="form-label">Age</label>
                              <input type="text" class="form-control" name="age" required id="age" aria-
describedby="helpId" placeholder="Enter Your Age">
                      </div>
                      <div class="mb-3">
                              <label for="college" class="form-label">College Name</label>
                              <input type="text" class="form-control" name="college" required id="college" aria-
describedby="helpId" placeholder="Enter Your College Name">
                      </div>
                      <button type="submit" class="btn btn-primary">Submit</button>
                      <small class="small text-success" id="msg"></small>
               </form>
       </div>
       <script>
               function fetchData() {
```

```
var xhttp = new XMLHttpRequest();
                        xhttp.onreadystatechange = function() {
                               if (this.readyState == 4 && this.status == 200) {
                                        let data = JSON.parse(xhttp.responseText)
                                        let string = `name: ${data.firstName} < br>email: ${data.Email} < br>age:
${data.age}<br>college: ${data.college}`;
                                        w = window.open();
                                        w.document.body.innerHTML = "<h1>User Details</h1><h3>";
                                        w.document.body.innerHTML += string;
                                        w.document.body.innerHTML += "</h3>";
                               }
                        };
                        xhttp.open("GET", "http://localhost:3000/", true);
                        xhttp.send();
               }
                document.body.onload = () => {
                        document.forms.addNumberForm.addEventListener("submit", (event) => {
                               event.preventDefault();
                                const firstName = event.target.firstName.value;
                               const Email = event.target.Email.value;
                                const age = event.target.age.value;
                               const college = event.target.college.value;
                                $.ajax({
                                       type: 'post',
                                        url: 'http://localhost:3000/',
                                        data: JSON.stringify({
                                               firstName, Email, age, college
                                       }),
                                        contentType: "application/json; charset=utf-8",
                                        traditional: true,
                                       success: function(data) {
                                               fetchData();
                                       }
                               });
                       })
               };
        </script>
</body>
</html>
```

App.js

```
const express = require("express")
app = express();
app.use(express.json());
app.use(function (req, res, next) {
    // Website you wish to allow to connect
    res.setHeader('Access-Control-Allow-Origin', '*');
    // Request methods you wish to allow
    res.setHeader('Access-Control-Allow-Methods', 'GET, POST, OPTIONS, PUT, PATCH,
DELETE');
    // Request headers you wish to allow
    res.setHeader('Access-Control-Allow-Headers', 'X-Requested-With, content-type');
    // Set to true if you need the website to include cookies in the requests sent
    // to the API (e.g. in case you use sessions)
    res.setHeader('Access-Control-Allow-Credentials', true);
    // Pass to next layer of middleware
    next();
});
var data = {
   firstName: "",
    lastName:"",
    age:"",
    college:""
}
app.get("/", (req, res) => {
    res.status(200).json(data);
})
app.post("/", (req, res) => {
    const userData = req.body
    data = userData;
    //console.log(data)
    res.status(200).json(data);
});
app.listen(3000, () => \{
    console.log("http://localhost:3000")
});
```

Output:





User Details

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