

ASSIGNMENT 1b

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"> <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYal1GyVh/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>
      <hr>
      <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:

