

ASSIGNMENT 1B

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/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">
    <main id="output" class="bg-dark text-light p-4 rounded mb-4 w-50 mx-
auto" style="letter-spacing: 2px;">
    </main>

    <div class="w-50 mx-auto mb-4 text-end">
      <button class="btn btn-dark" onclick="fetchData()">Reload</button>
    </div>

    <form id="addNumberForm" class="p-4 border shadow-sm w-50 mx-auto">
      <div class="mb-2">
        <label for="firstName" class="form-label">First Name</label>
        <input type="text" class="form-control" name="firstName" required
id="firstName" aria-describedby="helpId" placeholder="Enter Your First Name">
      </div>
      <div class="mb-2">
        <label for="lastName" class="form-label">Last Name</label>
        <input type="text" class="form-control" name="lastName" required
id="lastName" aria-describedby="helpId" placeholder="Enter Your Last Name">
      </div>
    </form>
  </div>
</body>
</html>
```

```

        <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="email" class="form-label">Email ID</label>
            <input type="email" class="form-control" name="email" required
id="email" aria-describedby="helpId" placeholder="Enter Your email ID">
        </div>
        <button type="submit" class="btn btn-primary">Submit</button>
        <hr>
        <small class="small text-success" id="msg"></small>
    </form>
</div>

<script>
    const output = document.getElementById("output");

    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} ${data.lastName}
<hr>age: ${data.age}<hr>email: ${data.email}`;

                // output.innerHTML = string;

                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 = () => {
        fetchData()

        document.forms.addNumberForm.addEventListener("submit", (event) => {
            event.preventDefault();

```

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        const firstName = event.target.firstName.value;
        const lastName = event.target.lastName.value;
        const age = event.target.age.value;
        const email = event.target.email.value;

        $("#msg").html("")
        $.ajax({
            type: 'post',
            url: 'http://localhost:3000/',
            data: JSON.stringify({
                firstName, lastName, age, email
            }),
            contentType: "application/json; charset=utf-8",
            traditional: true,
            success: function(data) {
                fetchData();
                $("#msg").html("User Details Updated")
            }
        });
    });
</script>
</body>

</html>

```

Index.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

```

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// 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: "",
  email_id: ""
}

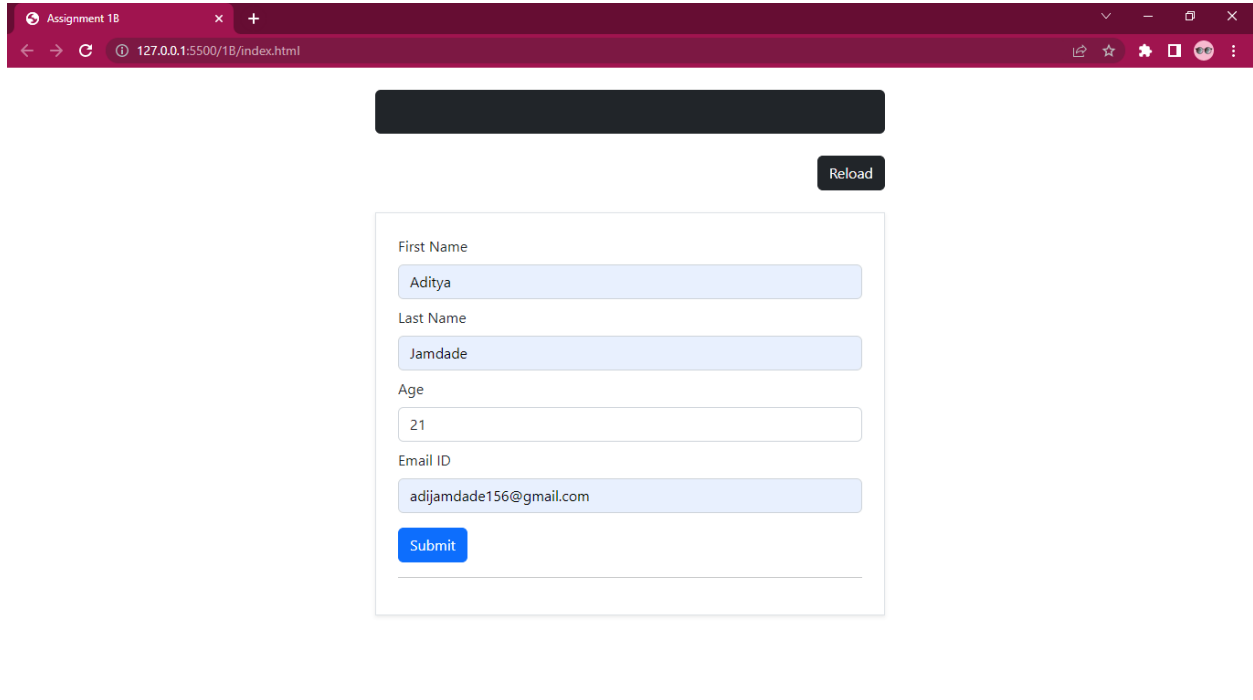
app.get("/", (req, res) => {
  res.status(200).json(data);
})

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:



A screenshot of a web browser window. The browser has a dark red header bar with a tab labeled "Assignment 1B". The address bar shows the URL "127.0.0.1:5500/1B/index.html". The page content includes a dark grey rectangular block at the top, a "Reload" button, and a form with the following fields: "First Name" (value: Aditya), "Last Name" (value: Jamdade), "Age" (value: 21), and "Email ID" (value: adjamdade156@gmail.com). A blue "Submit" button is at the bottom of the form.

Assignment 1B

127.0.0.1:5500/1B/index.html

Reload

First Name
Aditya

Last Name
Jamdade

Age
21

Email ID
adjamdade156@gmail.com

Submit