

# Assignment No. 1B

Name : Hemang Barhate

Roll No : 33305

Batch : K11

Subject : WADL

## 1. 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/T
YkiZhlZB6+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 value="Hemang" 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 value="Barhate" type="text"
class="form-control" name="lastName" required id="lastName"
aria-describedby="helpId" placeholder="Enter Your Last Name">
    </div>
    <div class="mb-2">
        <label for="age" class="form-label">Age</label>
        <input value="21" 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 value="pict" 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>
    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>college: ${data.college}`;

                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();
            const firstName = event.target.firstName.value;
            const lastName = event.target.lastName.value;
            const age = event.target.age.value;
            const college = event.target.college.value;

```

```

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

</html>

```

## 2. 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
    // 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 :

127.0.0.1:5500/frontend/index.html

name: Hemang Hemang

age: 21

college: Pune Institute of Computer Technology

Reload

First Name

Hemang

Last Name

Barhate

Age

21

College Name

Pune Institute of Computer Technology

Submit

← → ↻ ⓘ about:blank

### User Details

name: Hemang Barhate

age: 21

college: Pune Institute of Computer Technology