

Task 2 : Inline Styles, Basic Interaction, and Server-Side Validation.

Frontend (HTML + Inline css + javascript)

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-
scale=1.0">

  <title>Form Validation</title>

</head>

<body>


  <h2 style="color: blue; text-align: center;">User Registration</h2>


  <form id="userForm" action="http://localhost:3000/submit"
method="POST" onsubmit="return validateForm()">

    <label>Name:</label>

    <input type="text" id="name" name="name" style="border: 1px
solid black; padding: 5px;">

    <br><br>

    <label>Email:</label>

    <input type="email" id="email" name="email" style="border: 1px
solid black; padding: 5px;">

    <br><br>
```

```
<button type="submit" style="background-color: green; color: white; padding: 8px 16px; border: none;">
```

```
    Submit
```

```
</button>
```

```
</form>
```

```
<script>
```

```
    function validateForm() {
```

```
        let name = document.getElementById("name").value;
```

```
        let email = document.getElementById("email").value;
```

```
        if (name === "" || email === "") {
```

```
            alert("All fields are required!");
```

```
            return false;
```

```
        }
```

```
        return true;
```

```
    }
```

```
</script>
```

```
</body>
```

```
</html>
```

Backend (Node.js + Express.js for Server-side validation)

```
const express = require("express");
```

```
const bodyParser = require("body-parser");
```

```
const app = express();

app.use(bodyParser.urlencoded({ extended: true }));

app.post("/submit", (req, res) => {

  const { name, email } = req.body;

  if (!name || !email) {

    return res.status(400).send("All fields are required!");

  }

  if (!email.includes("@")) {

    return res.status(400).send("Invalid email format!");

  }

  res.send(Form submitted successfully! Name: ${name}, Email:
  ${email});


});

app.listen(3000, () => console.log("Server running on port 3000"));
```


Output :

User Registration

Name

 Enter your name

Email

 Enter your email

Submit →