

## **FSD-WEEK-6**

### **Login.html**

```
<!DOCTYPE html>
<html>
<head>
  <title>JWT Login</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
<body>
<h3>Login</h3>
Username:<input id="name"><br><br>
Password:<input id="password" type="password"><br><br>
<button onclick="login()">Submit</button>
<script>
function login() {
  $.post("/login", {
    name: $("#name").val(),
    password: $("#password").val() }, function(res) {
    if(res.login){
      alert("JWT Token:\n\n" + res.token);
    } else {
      alert("\nAuthentication Failed");
    }
  });
}
</script>
</body>
</html>
```

### **Server.js**

```
const express = require("express");
const jwt = require("jsonwebtoken");
const users = require("./database.json");
const app = express();
app.use(express.urlencoded({ extended: true }));
app.use(express.json());

app.get("/", (req, res) => {
  res.sendFile(__dirname + "/login.html");
});
```

```

});
// Login & JWT creation
app.post("/login", (req, res) => {
  const { name, password } = req.body;
  console.log(name);
  console.log(password);
  const user = users.find(
    u => u.name === name && u.password === password);
  if (user) {
    const token = jwt.sign({ name: user.name }, "secretKey");
    res.json({ login: true, token });
  } else {
    res.json({ login: false });
  }
});
app.get("/home", (req, res) => {
  const token = req.headers.authorization;
  jwt.verify(token, "secretKey", (err, data) => {
    if (err) res.send("Invalid Token");
    else res.send("Valid Token for " + data.name);
  });
});
app.listen(3000, () =>
  console.log("Server running at http://localhost:3000")
);

```

### Database.json

```

[{"name": "Yamuna", "password": "abc"},
 {"name": "Devi", "password": "cmrit"}
]

```