

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"}  

]
```