

Sign up

Wednesday, June 14, 2023 12:01 AM

Step 1: HTML

```
public > <> signUp.html > html > body > form > input#passSignUp
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <title>Sign up Page</title>
5      <link rel="stylesheet" href="/stylesheets/style.css">
6      <script src="javascripts/myJavascript.js"></script>
7  </head>
8
9  <body>
10     <h1>Sign up Page</h1>
11     <p>Enter your Sign up details here:</p>
12     <form>
13         <label for="userSignUp">Enter a new Username</label>
14         <input type="text" id="userSignUp"/>
15         <br>
16         <label for="passSignUp">Enter a new Password</label>
17         <input type="password" id="passSignUp"/>
18         <br>
19         <button type="button" onclick="mySignUpFunc()">click to sign up</button>
20     </form>
21 </body>
22 </html>
```

Step 2: Client side AJAX

```
14
15  function mySignUpFunc(){
16      let signUpData = {
17          username: document.getElementById('userSignUp').value,
18          password: document.getElementById('passSignUp').value
19      };
20
21      let myxhr = new XMLHttpRequest();
22      myxhr.open('POST', '/signup');
23      myxhr.setRequestHeader('content-type', 'application/json');
24      myxhr.send(JSON.stringify(signUpData));
25  }
```

Step 3: Set up app.js by adding session

```
<> Loginpage.html    <> signUp.html    JS myJavascript.js 3    JS index.js 9+    JS app.js 4 X
```

```
JS app.js > ...
1  var express = require('express');
2  var path = require('path');
3  var cookieParser = require('cookie-parser');
4  var logger = require('morgan');
5  var session = require('express-session');
6  var indexRouter = require('./routes/index');
7  var usersRouter = require('./routes/users');
8
9  var app = express();
10
11 app.use(logger('dev'));
12 app.use(express.json());
13 app.use(express.urlencoded({ extended: false }));
14 app.use(cookieParser());
15
16 app.use(session({
17   resave: false,
18   saveUninitialized: true,
19   secret: 'super secret string of my choice',
20   secure: false
21 }));
22
23 //this is used to log the logins
24 app.use(function(req, res, next){
25   console.log("The current user is: " + req.session.username);
26   next();
27 });
28
29
30 app.use(express.static(path.join(__dirname, 'public')));
31
32 app.use('/', indexRouter);
33 app.use('/users', usersRouter);
34
35
```

STEP 4: Step up the server index.js

```
router.post('/signup', function(req, res, next){
  let getUsername = req.body.username;
  let getPassword = req.body.password;
  console.log('Username entered: ' + getUsername + ' and the password is: ' + getPassword);

  if (!(getUsername in users)) {
    users[getUsername] = { password: getPassword };
    console.log('New user ' + getUsername + ' has been created.');
```

res.sendStatus(200); // Send a success response back to the client

```
  } else {
    console.log('User already exists');
```

res.status(409).send('User already exists'); // Send a conflict response back to the client

```
  }
});
```