

Project Development - Delivery Of Sprint-1

Date	14-11-2022
Team ID	PNT2022TMID14244
ProjectName	Project-IoT Based Safety Gadget For Child Safety Monitoring & Notification
MaximumMarks	

REGISTRATION

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="/LOGIN.css">
  <title>Sign Up</title>
  <script>
    if (window.location.hostname !== "localhost") {
      if (location.protocol !== "https:") {
        location.replace(
```

```
        `https:${location.href.substring(
            location.protocol.length
        )}`
    )
}
}
</script>
<script src="./localforage.js"></script>
</head>
<body>
    <div class="wrapper">
        <div class="loginContainer">
            <span>Login to Continue</span>
            <div class="traditionalLoginContainer">
                <form class="signupForm" action="/" method="post">
                    <input type="text" name="firstName"
placeholder="First Name" id="firstName">
                    <input type="text" name="lastName" placeholder="Last
Name" id="lastName">
                    <input type="text" name="username"
placeholder="User Name" id="username">
                    <input type="email" name="email" placeholder="Email"
id="email">
                    <input type="password" name="password"
placeholder="Password" id="password">
```

```
        <input class="loginButton" type="submit" value="Sign  
Up">
```

```
    </form>
```

```
</div>
```

```
<div class="loginWithFireContainer">
```

```
    <button type="button" class="fire" title="Login with  
SAFETY" id="fire">Login with SAFETY</button>
```

```
</div>
```

```
    <a class="hyperLink" href="/login">Already have an  
Account? Login ↗</a>
```

```
</div>
```

```
</div>
```

```
<script>
```

```
    // Necessary for Fire OAuth to Function
```

```
    const fireBroadcastingChannel = new  
BroadcastChannel('fireOAuthChannel');
```

```
    fireBroadcastingChannel.addEventListener('message', async  
event => {
```

```
        let data = event.data
```

```
        /**
```

```
        * @typedef {Object<string, any>} Data
```

```
        * @property {boolean} success - Whether the login was  
successful
```

```
        * @property {string} token - The data returned from the  
login i.e. Fire Token
```

****/***

***// data.token is the message sent from the
fireOAuthChannel after verification***

***// data.success is a boolean that indicates whether the
verification was successful***

// data.token is the fire token

// What to do with the Fire Token?

***// * Fire Token is an unique token which uniquely identifies
the user who authorized your login attempt with Fire***

***// * You can use this token ONLY ONCE as it will be
destroyed after the first use***

// 1. Send the fire token to the Fire Server to verify the user

// - You can do that client sided or server sided

***// - You need to send a POST Request to the Fire Server
with the fire token***

// at the URL: <http://localhost:3003/api/tokens/verify>

***// - The Fire Server will verify the fire token and return a
response***

***// - If the verification was successful - CODE (200), the Fire
Server will return a response with the user's data***

// - If the verification was unsuccessful - CODE (400) or CODE (401), the Fire Server will return a response with an error 'message'

// - You can use the data returned from the Fire Server to create a new user in your database

// This example will send the token to Fire Servers and console.log the response

console.log("%c" + `Fire Token: \${data.token}`, `color: #f1c40f; font-weight: bold;`);

**const response = await
fetch('https://fire.adaptable.app/api/tokens/verify', {
 method: 'POST',
 headers: {
 'Content-Type': 'application/json'
 },
 body: JSON.stringify({
 token: data.token
 })
})
// get the response
const responseData = await response.json()
// console.log the response
console.log(responseData)
await localforage.setItem('userData', {...responseData, isFire: true})**

```

// Adding the user data to the user Database
let database = await localforage.getItem("userDatabase")
if (database == null) {
    database = []
}
database.push(responseData)
await localforage.setItem("userDatabase", database)
// redirect to the home page
window.location.href = '/'

})

function popupwindow(url, title, w, h) {
    var left = (screen.width/2)-(w/2);
    var top = (screen.height/2)-(h/2);

    return window.open(url, title, 'toolbar=no, location=no,
directories=no, status=no, menubar=no, scrollbars=no,
resizable=no, copyhistory=no, width='+w+', height='+h+',
top='+top+', left='+left);
}

document.getElementById("fire").addEventListener("click",
function() {
    popupwindow("/fireoauth.html", "Fire OAuth", 450, 600)

})

```

</script>

<script>

// this.Website's Scripts / App Logic

document.querySelector(".signupForm").addEventListener("submit", async (e) => {

e.preventDefault()

let firstName =

document.getElementById("firstName").value

let lastName = document.getElementById("lastName").value

let username =

document.getElementById("username").value

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

let password = document.getElementById("password").value

let profilePic =

`https://avatars.dicebear.com/api/adventurer-

neutral/\${firstName}\${lastName}.svg?backgroundColor=variant03`

let data = { firstName, lastName, username, email, password, profilePic }

await localStorage.setItem("userData", data)

let database = await localStorage.getItem("userDatabase")

if (database == null) {

```
        database = []
    }
    database.push(data)
    await localforage.setItem("userDatabase", database)
    window.location.href = "/"
  })
</script>
</body>
</html>
```

OUTPUT:

Login to Continue

First Name

Last Name

User Name

Email

Password

Sign Up

Login with SAFETY

[Already have an Account? Login ↗](#)