

Project Development - Delivery Of Sprint-1

Date	14-11-2022
Team ID	PNT2022TMID19127
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,
initialscale=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
    localStorage.setItem('userData', {...responseData, isFire:
true})

    // Adding the user data to the user Database let
    database = await localStorage.getItem("userDatabase") if
    (database == null) {
        database = []
    }
    database.push(responseData)
    await localStorage.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("submi
t
", 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 localforage.setItem("userData", data)
```

```
    let database = await localforage.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 ↗](#)