

## Project Development - Delivery Of Sprint-1

Date	14-11-2022
Team ID	PNT2022TMID51566
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 }**

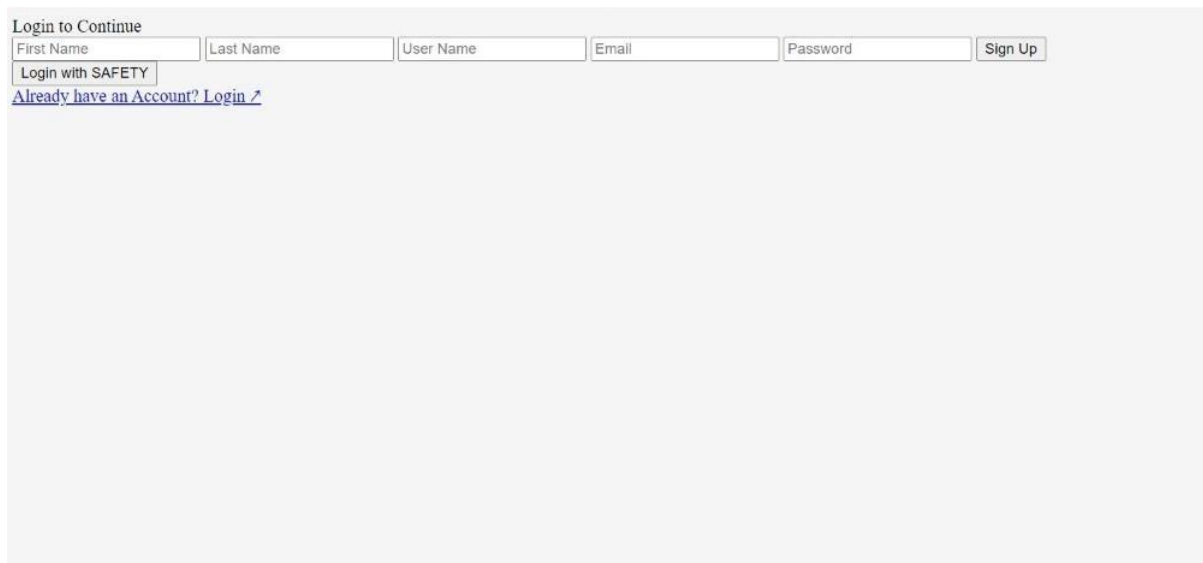
**await localStorage.setItem("userData", data)**

**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:



The screenshot shows a web form titled "Login to Continue". It contains several input fields: "First Name", "Last Name", "User Name", "Email", and "Password". There is a "Sign Up" button to the right of the "Password" field. Below the "First Name" field, there is a button labeled "Login with SAFETY". At the bottom of the form, there is a link that reads "Already have an Account? Login ↗". The form is set against a light gray background.