Sprint – 1
(Registration & Login)

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Team ID	PNT2022TMID30936
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification.

Sprint 1 is about **REGISTRATION & LOGIN** of the IoT Device in Parent's Web Application for getting information about Child's Status.
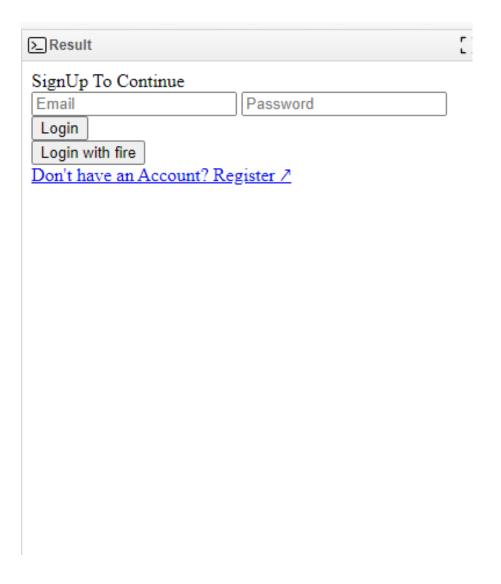
Code:

```html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <link rel="stylesheet" href="/css/login.css">
8      <title>Sign Up</title>
9      <script>
10         if (window.location.hostname !== "localhost") {
11             if (location.protocol !== "https:") {
12                 location.replace(
13                     `https:${location.href.substring(
14                         location.protocol.length
15                     )}`
16                 )
17             }
18         }
19     </script>
20     <script src="./localforage.js"></script>
21 </head>
22 <body>
23     <div class="wrapper">
24         <div class="loginContainer">
25             <span>SignUp To Continue</span>
```

```html
        <div class="traditionalLoginContainer">
            <form class="signupForm" action="/" method="post">
                <input type="email" name="email" placeholder="Email" id="email">
                <input type="password" name="password" placeholder="Password" id="password">
                <input class="loginButton" type="submit" value="Login">
            </form>
        </div>
        <div class="loginWithFireContainer">
            <button type="button" class="fire" title="Login with fire" id="fire">Login with
                fire</button>
        </div>
        <a class="hyperLink" href="/register">Don't have an Account? Register ↗</a>
    </div>
</div>
<script>
    // Necessary for Fire OAuth to Function
    const fireBroadcastingChannel = new BroadcastChannel('fireOAuthChannel');
    fireBroadcastingChannel.addEventListener('message', async event => {

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

```javascript
68              window.location.href = '/'

70          })

72          function popupwindow(url, title, w, h) {
73              var left = (screen.width/2)-(w/2);
74              var top = (screen.height/2)-(h/2);
75              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);
76          }
77          document.getElementById("fire").addEventListener("click", function() {
78              popupwindow("/fireoauth.html", "Fire OAuth", 450, 600)

80          })
81      </script>

83      <script>
84          // this.Website's Scripts / App Logic
85          document.querySelector(".signupForm").addEventListener("submit" , async (e) => {
86              e.preventDefault()
87              let email = document.getElementById("email").value
88              let password = document.getElementById("password").value
89              let flag = false
90              let userData = await localforage.getItem("userDatabase")
91              if(userData) {

93                  userData.forEach(e => {
94                      if(e.email === email) {
95                          if(e.password === password || e.isFire === true) {
96                              localforage.setItem("userData", e)
97                              flag = true
98                              window.location.href = "/"
99                          }
100                     }
101                 })

103             } else {
104                 alert("User Not Found")
105             }

107             if(!flag) {
108                 alert("Invalid Credentials")
109             }
110         })
111     </script>
112 </body>
113 </html>
```

OUTPUT :

> **Result**

SignUp To Continue

| Email | Password |

Login

Login with fire

Don't have an Account? Register ↗

Source URL: