Sprint-1

Team ID	PNT2022TMID48118
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

Login.html

```
<!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="css/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</span>
            <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.html">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
            /**
            * @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 email = document.getElementById("email").value
    let password = document.getElementById("password").value
    let flag = false
    let userData = await localforage.getItem("userDatabase")
    if(userData) {

      userData.forEach(e => {
        if(e.email === email) {
          if(e.password === password || e.isFire === true) {
            localforage.setItem("userData", e)
            flag = true
            window.location.href = "index.html"
          }
        }
      })

    } else {
      alert("User Not Found")
    }

    if(!flag) {
      alert("Invalid Credentials")
    }
  })
```

```
    </script>
</body>
</html>
```

Register.html

```
<!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="css/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>SignUp 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 Fire" id="fire">Login with
Fire</button>
      </div>
      <a class="hyperLink" href="login.html">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
      /**
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      console.log("%c" + `Fire Token: ${data.token}`, `color: #f1c40f; font-weight: bold;`);
      const response = await fetch('https://fire.adaptable.app/api/tokens/verify', {
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        headers: {
          'Content-Type': 'application/json'
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        },
        body: JSON.stringify({
          token: data.token
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      })
       // get the response
       const responseData = await response.json()
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      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) {
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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 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 = "login.html"
      alert("Registered Successfuly.")
    })
  </script>
</body>
</html>
```