

SPRINT 1

<!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 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">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 a 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("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 = "/"
  })
</script>
</body>
</html>

```

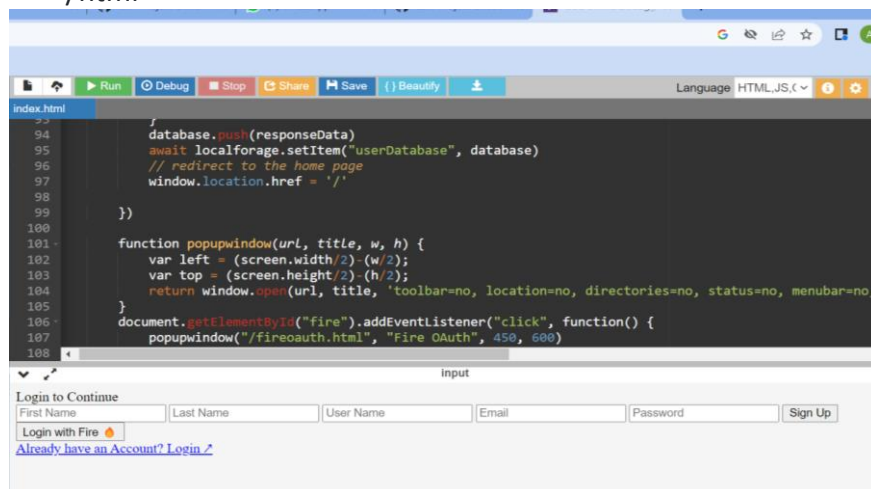


Fig1: Registration Form

```
<!DOCTYPE html>

<html lang="en" style="height: 100%; margin: 0;">

<head>

<meta charset="UTF-8" />

<meta name="description" content="The Home Page after Logged In"/>

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>IOT Based Safety Gadget for Child Safety Monitoring and Notification</title>

<script src="./localforage.js"></script>

<script>

if (window.location.hostname !== "localhost") {

if (location.protocol !== "https:") {

location.replace(

`https:${location.href.substring(

location.protocol.length

)}`

)

}

}async function check() {

let data = localforage.getItem("userData")

if (data == null) { window.location.href = "/login"

}

}check() </script>

</head>

<body

style=" height: 100%; margin: 0;

font-weight: 300;

font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu,

Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif; " >

<div
```

```
class="wrapper" style=" height: 90%;
display: flex;
flex-direction: column;
align-items: center;
justify-content: center;
text-align: center; " >
<div
class="details" style=" display: flex;
flex-direction: column; align-items: center;
gap: 20px;
padding: 1rem;
border-radius: 5px;
box-shadow: 0 0 8px 0px #44444444; max-width: 80%; " >
<h1 class="name" style="margin: 0"></h1>
<div
class="imageContainer" style="padding: 10px; height: 10rem; width: 10rem" >
<img class="image" alt="profile picture" />
</div>
<h2 class="email" style="margin: 0"></h2>
<a style="text-decoration: none;text-align: center;font-size: 1.2rem;color: #0070f3;font-
weight: 400;" href="/dashboard">Go to Dashboard ↗</a>
</div>
</div>
<script>
async function main() {
let name = document.querySelector(".name")
let image = document.querySelector(".image")
let email = document.querySelector(".email")
let userData = await localStorage.getItem("userData")
if(userData == null) { window.location.href = "/login"
```

```
}name.innerHTML = `Welcome ${userData.firstName} ${userData.lastName}!`
```

```
image.src = userData.profilePic
```

```
email.innerHTML = `Your email is: <a style="text-decoration: none;color: #0072B5;"  
href="mailto:${userData.email}">${userData.email}</a>` }main() </script>
```

```
</body>
```

```
</html>
```

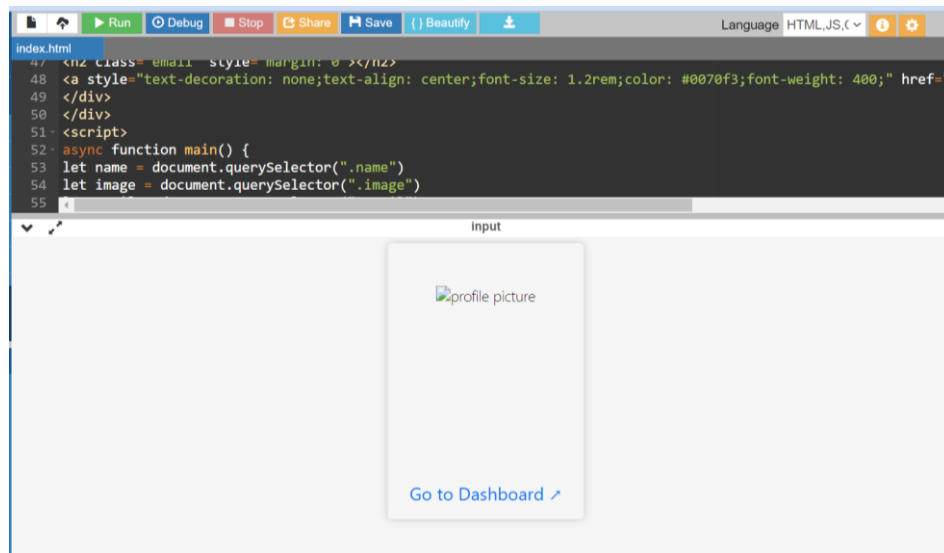


Fig 2: Confirmation Mail