Sprint 4

Title	IoT Based Safety Gadget for Child Safety Monitoring and Notification.
Domain Name	Internet of Things (IOT)
Team ID	PNT2022TMID2603

FIREOAUTH:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="/css/fireoauth.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.css">
    <link rel="shortcut icon" href="https://raw.githubusercontent.com/tharunoptimus-
pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA
" type="image/x-icon">
    <style>
        html,
        body {
            height: 100%;

            margin: 0;

            font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen,
```

```css
      Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
   font-weight: 300;
}

a {
   text-decoration: none;
   color: #007bff;
   font-weight: 500;
   font-size: 1.2rem;
}

h3 {
   font-size: 1.4rem;
}

h3, h4 {
   margin: 0;
   padding: 0.3rem 0;
}

.wrapper {
   display: flex;
   flex-direction: column;
   align-items: center;
   justify-content: center;
   height: 100%;
   text-align: center;
```

```css
}

.oneClickSignin {
    padding: 0.5rem;
    border: 1px solid #44444444;
    border-radius: 5px;
    box-shadow: 0 0 3px 0px #44444444;

    opacity: 0.2;

    pointer-events: none;
}

.qrcode {
    opacity: 0.1;
}

.learnAboutFire {
    padding-top:
    1.25em;
}

.qrHolder {
    display: none;
    margin-top: 3rem;
}
```

```css
.qrContainer {
    align-items: center;
    display: flex;
```

```
        justify-content: center;
        padding: 8px;
        margin: 2rem auto;
        box-shadow: 0 0px 6px 1px rgb(0 0 0 / 16%);
        border: 1px solid #44444444;
        border-radius: 6px;
        width: 200px;
        height: 200px;
      }

    </style>
    <title>Fire OAuth</title>
    <script>
      if (window.location.hostname !== "localhost") {
        if (location.protocol !== "https:") {
          location.replace(

            `https:${location.href.substring(
              location.protocol.length
            )}`
          )
        }
      }
    </script>
  </head>
<body>
    <div class="wrapper">
      <h3 class="pageTitle">Login with Fire ??</h3>
```

```html
<div class="qrAuthorize">
   <h4 class="subTitle">Scan QR from your Fire OAuth App??</h4>

   <div class="qrContainer">
      <canvas id="qr-code" class="qrcode"></canvas>
   </div>
</div>

<div class="oneClickSignin">
   <h4>Have Fire PWA on this device?</h4>
   <a target="_blank" id="authorizeOverLink"
href="https://firepwa.netlify.app/authorize?sessionId" rel="noopener">Click to Authorize ?? </a>
</div>

<div class="learnAboutFire">
   <a target="_blank" href="https://fireoauth.netlify.app" rel="noopener">Learn More about Fire
??</a>

</div>

</div>
<script src="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qrious.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/socket.io/4.2.0/socket.io.js"></script>
<script>

   const FIRE_API_KEY = "635b790a3bcc6b59c4b772d0"
   const FIRE_ENDPOINT = "https://fire.adaptable.app/api/apis/generate"
   const CHANNEL_NAME = "fireOAuthChannel"
```

```
const broadCastingChannel = new BroadcastChannel(CHANNEL_NAME)
```

```javascript
const FIRE_SERVER_SOCKET_ENDPOINT = "https://fire.adaptable.app"
let socket = io(FIRE_SERVER_SOCKET_ENDPOINT)

let qr

let qrcode = document.querySelector(".qrcode")
let oneClickSignin = document.querySelector(".oneClickSignin")
let pageTitle = document.querySelector(".pageTitle")
let subTitle = document.querySelector(".subTitle")

function setOpacity(opacity) {
   oneClickSignin.style.opacity = opacity
   oneClickSignin.style.pointerEvents = opacity === "1" ? "auto" : "none"
   qrcode.style.opacity = opacity
}

async function getSessionID() {
   let response
   try {
      response = await fetch(`${FIRE_ENDPOINT}/${FIRE_API_KEY}`, {
         method: "GET",
         headers: {
            "Content-Type": "application/json",
         }
      })
   } catch (error) {
      console.log(error)
```

```javascript
      return null
    }

    let data = await response.json()
    let { sessionId, chatRoomId } = data
    return { sessionId, chatRoomId }
  }

  function generateQR(value) {
    (qr = new QRious({
      element: document.getElementById("qr-code"),
      size: 200,
      level: 'M',
      value: value,
    }))
  }


  function changeHREF ({sessionId, chatRoomId}) {
    let firePwaUrlHostname = "https://firepwa.netlify.app"
    let originURL = encodeURIComponent(window.location.origin)

    let url =
`${firePwaUrlHostname}/authorize.html?sessionId=${sessionId}&chatRoomId=${chatRoomId}&url=${originURL}`
    let a = document.getElementById("authorizeOverLink")
    a.href = url
  }
```

```
async function fire() {
  NProgress.set(0.4)
  let { sessionId, chatRoomId } = await getSessionID()

  if(sessionId === undefined || chatRoomId === undefined || sessionId === null || chatRoomId === null) {

    pageTitle.innerHTML = "Something went wrong ???"
    subTitle.innerHTML = "Please try again later ????"
    return
  }

  setOpacity("1")`

  NProgress.done()
```

```
    let data = {
        sessionId,

        url: encodeURIComponent(window.location.origin)

    }
    data = JSON.stringify(data)
    generateQR(data)
    changeHREF({sessionId, chatRoomId})
    socket.emit("join room", sessionId)
}


fire()
```

```
        socket.on("trusted token", (token) => {

            let data = {}
            data.success = true
            data.token = token

            broadCastingChannel.postMessage(data)

            window.close()
        })
    </script>
 </body>
</html>
```

DASHBOARD:
```
 <!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/dashboard.css">
    <title>Dashboard</title>
    <script src="./localforage.js"></script>
 </head>
 <body>
    <div class="wrapper">
```

```html
<div class="header">
    <span class="heading">Dashboard</span>
    <span class="right">
        <span class="username">Hello User</span>
        <span>
            <img class="profilePic" src="https://avatars.dicebear.com/api/avataaars/asdfasdfds.svg"
alt="User Profile" height="30" width="30">
        </span>
    </span>
</div>

<div class="actionCenter">
    <div class="action">
        <span>Create Child Card</span>
    </div>
    <div class="action">
        <span class="logout">Log out</span>
    </div>
</div>

<div class="childCardContainer">
    <div class="childCard">
        <div class="childCardHeader">
            <span>Child Name</span>
            <span>Age 12</span>
        </div>
        <div class="actions">
```

```html
        <span>View</span>
        <span>GeoFence</span>
      </div>
    </div>
  </div>
</div>
<script>
  async function main() {
    let userData = await localforage.getItem('userData')
    if(userData == null) {
      window.location.href = "/login"
    }

    document.querySelector(".username").innerHTML = `Hello ${userData.firstName}`
    document.querySelector(".profilePic").src = userData.profilePic
  }
  main()

  document.querySelector(".logout").addEventListener("click", async () => {
    await localforage.setItem('userData', null)
    window.location.href = "/login"
  })

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