Sprint 4

Date	11 November 2022
Team ID	PNT2022TMID42943
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks

FIREOAUTH:

```
<!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/tharunoptimuspd/firepwa/main/favicon.ico?token=
GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA" type="image/x-icon">
  <style>        html,
body {
```

```css
  height: 100%;
  margin: 0;
        font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen,
          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;
```

```css
  height: 100%;          text-
align: center;
    }

    .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;
    }

    .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">
```

```html
<h3 class="pageTitle">Login with Fire ??</h3>      <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"
```

```javascript
    const FIRE_ENDPOINT = "https://fire.adaptable.app/api/apis/generate"
const CHANNEL_NAME = "fireOAuthChannel"
    const broadCastingChannel = new BroadcastChannel(CHANNEL_NAME)
    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",
```

```javascript
                }
            })
        } catch (error) {
console.log(error)          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}`
```

```javascript
        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>
```

```html
</head>
<body>
  <div class="wrapper">
    <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">
```

```html
            <span>Child Name</span>
            <span>Age 12</span>
          </div>
          <div class="actions">
            <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
</html>
```