TEAM ID : PNT2022TMID0**2092**   **Sprint 4**

Date	14 November 2022
Team ID	PNT2022TMID02092
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/tharunoptimus-
pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA"
type="image/x-icon">
    <style> html,
      body {
        height: 100%;
        margin: 0;
```

```css
  font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen,
    Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif; fontweight:
  300;
}

a {
  text-decoration: none;
  color: #007bff; fontweight:
  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-
```

```css
    align: center;
}

.oneClickSignin {  padding:  0.5rem;
   border:  1px   solid   #44444444;
   borderradius: 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; boxshadow: 0 0px
          6px 1px rgb(0 0 0 / 16%);
          border: 1px solid #44444444;
          borderradius: 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>
      <div class="qrAuthorize">
        <h4 class="subTitle">Scan QR from your Fire OAuth App??</h4>
```

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

```javascript
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) return null
    }
```

```javascript
        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=${chatRoomId}&url=${
 o ri ginURL}` 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">
      <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>
```

```html
        </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">
                <span>View</span>
                <span>GeoFence</span>
            </div>
        </div>
    </div>
</div>
```

```html
<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>
```