

Sprint 4

Date	06 November 2022
Team ID	PNT2022TMID02431
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 {
```

```
height: 100%;      margin:
0;
    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;      font-weight:
500;      font-size:
1.2rem;
    }
    h3 {
        font-size: 1.4rem;
    }
    h3, h4 {
margin: 0;
        padding: 0.3rem 0;
    }

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

```
justifycontent:      center;
padding: 8px;        margin:
2rem auto;          boxshadow:
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> <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>`

`Click to Authorize ?? `

`</div>`

`<div class="learnAboutFire">`

`Learn More about Fire ?? </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)
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

```

```
}
```

```
    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">  
    <div class="header">
```

```
<span class="heading">Dashboard</span>
<span class="right">
  <span class="username">Hello User</span>
  <span>
    
  </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">
```

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