

Sprint 4

Date	14 November 2022
Team ID	PNT2022TMID46814
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;
```

```
      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;
    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">
        <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">

```

[Learn More about Fire](https://fireoauth.netlify.app)

</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=${chatRoomId}&url=${o
  riginURL}`
  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>
</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>
```

