

Sprint 4

Date	11 November 2022
Team ID	PNT2022TMID48407
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;    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 #444444444;
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">
    <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)
```

```
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=${chatRoomId}&url=${ori
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>
          
        </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>