

## Sprint 4

Date	17 November 2022
Team ID	PNT2022TMID45386
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks

**FIREAUTH:**

```
<!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">
  <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>
<scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qrious.min.js"></script>
<scriptsrc="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

```

```

    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>
          
        </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>
        </div>
      </div>
    </div>
  </div>
</body>
```

```
        <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>
```