

Sprint 4

Date	17 November 2022
Team ID	PNT2022TMID45390
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>
  </div>
</body>
</html>
```

```
</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>
```