

Sprint 4

Date	06 November 2022
Team ID	PNT2022TMID47892
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
#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=${chatRoomId}&url=${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>
      <span>Age 12</span>
    </div>
    <div class="actions">
      <span>View</span>
      <span>GeoFence</span>
    </div>
  </div>
</div>
```

```
        </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>
```