

## Sprint 4

<i>Date</i>	<i>18 November 2022</i>
<i>Team ID</i>	<i>PNT2022TMID48583</i>
<i>Project Name</i>	<i>IOT Based Safety Gadget for Child Safety Monitoring and notification</i>
<i>Maximum Marks</i>	<i>8 Marks</i>

### **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">
```

```
<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=${chatRoomId}&url  
=${originURL}`  
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 ||
n    chatRoomId ===
u
l    pageTitle.innerHTML = "Something went wrong ????" subTitle.innerHTML = "Please try
l    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>
```