

Sprint 4

Date	14 November 2022
Team ID	PNT2022TMID023
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks
Team Leader	DEV ADHITHYA M
Team Member	ABDUR RAHMAN A
Team Member	ADHITHYA NER PV
Team Member	ASHWIN BALAJI B

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=GHSAT0AAA
AAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA" 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;
borderradius: 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=${chatRoomId}&url=${
            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 || 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>
    </div>
  </div>
</div>
</body>
```

```
<div class="actions">

  <span>View</span>
  <span>GeoFence</span>
</div>
</div>
</div>
</div>  <script>
async function main() {
  let userData = await localforage.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 localforage.setItem('userData', null)          window.location.href =
"/login"
  })
</script>
</body>
</html>
```

