Sprint 4

Date	06 November 2022
Team ID	PNT2022TMID07147
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks
Team Leader	NavinRaj M
Team Member	Saravana Ganesh S
Team Member	Santhosh S
Team Member	Prem M

FIREOAUTH:

```
<!DOCTYPE html>
<html lang="en">
    <head>
```

```html
<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;
```

```css
        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>
```

```html
            <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
```

```javascript
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({
```

```javascript
        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
        riginURL}`
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>

```html
<body>
<div class="wrapper">

<div class="header">
        <span class="heading">Dashboard</span>
                <span class="right">
        <span class="username">Hello User</span>
<span>
                <img class="profilePic" src="https://avatars.dicebear.com/api/avataaars/asdfasdfds.svg"
        alt="User Profile" height="30" width="30">
</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>
```

```html
        </div>
<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>
```