

## Sprint 4

<b>Title</b>	IoT Based Safety Gadget for Child Safety Monitoring and Notification.
<b>Domain Name</b>	Internet of Things (IOT)
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<b>Department</b>	Electronics and Communication Engineering

## **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=${chatRoomId}&url=${ori
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>
<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>
```