

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Sign Up</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div id="auth-container">
    <h2>Sign Up</h2>
    <input type="email" id="signup-email" placeholder="Email" required>
    <input type="password" id="signup-password" placeholder="Password" required>
    <button id="signup-btn">Sign Up</button>
    <p>Already have an account? <a href="login.html">Login</a></p>
    <button id="google-btn">Continue with Google</button>
  </div>

  <script src="script.js" type="module"></script>
</body>
</html>
```

login.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Login</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div id="auth-container">
    <h2>Login</h2>
    <input type="email" id="login-email" placeholder="Email" required>
    <input type="password" id="login-password" placeholder="Password" required>
    <button id="login-btn">Login</button>
    <p>Don't have an account? <a href="index.html">Sign Up</a></p>
    <button id="google-btn">Continue with Google</button>
  </div>
```

```
<script src="script.js" type="module"></script>
</body>
</html>
```

Welcome.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <div id="welcome-page">
    <h2>Welcome, <span id="user-email"></span>!</h2>
    <button id="logout-btn">Logout</button>
  </div>

  <script src="script.js" type="module"></script>
</body>
</html>
```

style.css

```
body {
  font-family: Arial, sans-serif;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
  background-color: #f4f4f9;
}

#auth-container, #welcome-page {
  background: white;
  padding: 2rem;
  border-radius: 8px;
  box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
  width: 300px;
  text-align: center;
}

input {
  padding: 0.5rem;
  border: 1px solid #ccc;
}
```

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border-radius: 4px;
width: 100%;
margin-bottom: 1rem;
}

button {
padding: 0.5rem;
border: none;
border-radius: 4px;
background-color: #007bff;
color: white;
cursor: pointer;
width: 100%;
}

button:hover {
background-color: #0056b3;
}

a {
color: #007bff;
text-decoration: none;
}

a:hover {
text-decoration: underline;
}

```

Script.js

```

import { initializeApp } from
"https://www.gstatic.com/firebasejs/11.4.0/firebase-app.js";
import { getAuth, createUserWithEmailAndPassword,
signInWithEmailAndPassword,signOut,signInWithPopup,GoogleAuthProvider,
onAuthStateChanged,} from "https://www.gstatic.com/firebasejs/11.4.0/firebase-
auth.js";
import { getAnalytics } from "https://www.gstatic.com/firebasejs/11.4.0/firebase-
analytics.js";

// Firebase Configuration
const firebaseConfig = {
apiKey: "AIzaSyAa0t70vqRkM21qXQRFHpGTD-W2Y0UaIsE",
authDomain: "auth-app-86da9.firebaseio.com",
projectId: "auth-app-86da9",
storageBucket: "auth-app-86da9.firebaseio.com",
messagingSenderId: "317252864080",
appId: "1:317252864080:web:7b1b2dcb130282b3e7e955",
measurementId: "G-PDCKRY95Q3",

```

```

});

// Initialize Firebase
const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
const auth = getAuth(app);
const provider = new GoogleAuthProvider();

// Sign Up with Email/Password
document.getElementById("signup-btn")?.addEventListener("click", () => {
  const email = document.getElementById("signup-email").value;
  const password = document.getElementById("signup-password").value;

  createUserWithEmailAndPassword(auth, email, password)
    .then(() => {
      alert("Sign Up Successful!");
      window.location.href = "welcome.html";
    })
    .catch((error) => {
      alert(error.message);
    });
});

// Login with Email/Password
document.getElementById("login-btn")?.addEventListener("click", () => {
  const email = document.getElementById("login-email").value;
  const password = document.getElementById("login-password").value;

  signInWithEmailAndPassword(auth, email, password)
    .then(() => {
      alert("Login Successful!");
      window.location.href = "welcome.html";
    })
    .catch((error) => {
      alert(error.message);
    });
});

// Continue with Google
document.getElementById("google-btn")?.addEventListener("click", () => {
  signInWithPopup(auth, provider)
    .then(() => {
      alert("Login Successful!");
      window.location.href = "welcome.html";
    })
    .catch((error) => {
      alert(error.message);
    });
});

```

```
// Logout
document.getElementById("logout-btn")?.addEventListener("click", () => {
  signOut(auth)
    .then(() => {
      alert("Logged Out Successfully!");
      window.location.href = "index.html";
    })
    .catch((error) => {
      alert(error.message);
    });
});

// Show User Email on Welcome Page
onAuthStateChanged(auth, (user) => {
  if (user && window.location.pathname.includes("welcome.html")) {
    document.getElementById("user-email").textContent = user.email;
  } else if (!user && window.location.pathname.includes("welcome.html")) {
    window.location.href = "index.html";
  }
});
```