

GOOGLE FIREBASE GITHUB PAGES

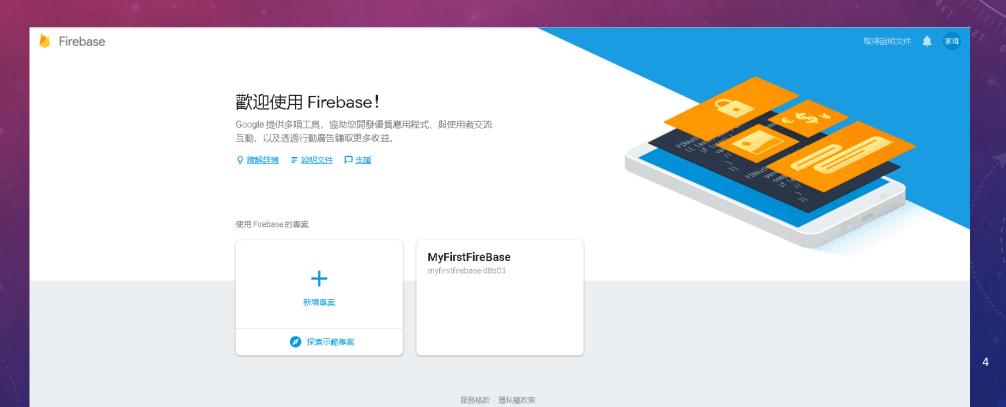
G O G L E GITHUB

FIREBASE

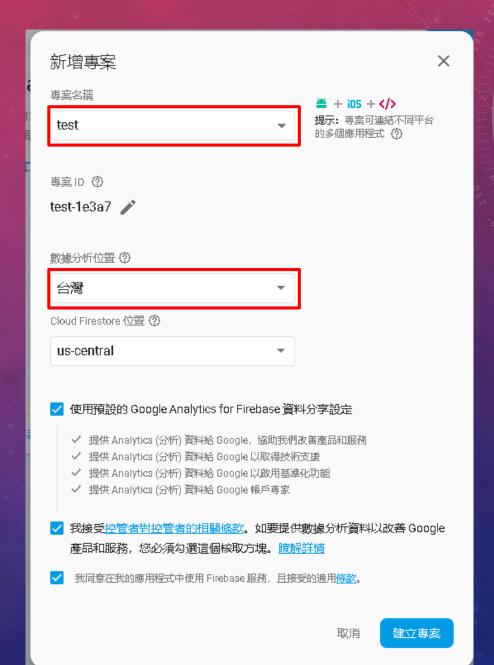
- 帳號認證
- 資料庫
- 資料儲存
- 架站
- Functions

FIREBASE-DATABASE

https://console.firebase.google.com/



建立專案



取得WEB接口

將 Firebase 加入您的網路應用程式

 \times

複製下方的程式碼片段,然後貼到 HTML 底端 (其他 script 標記前)。

複製

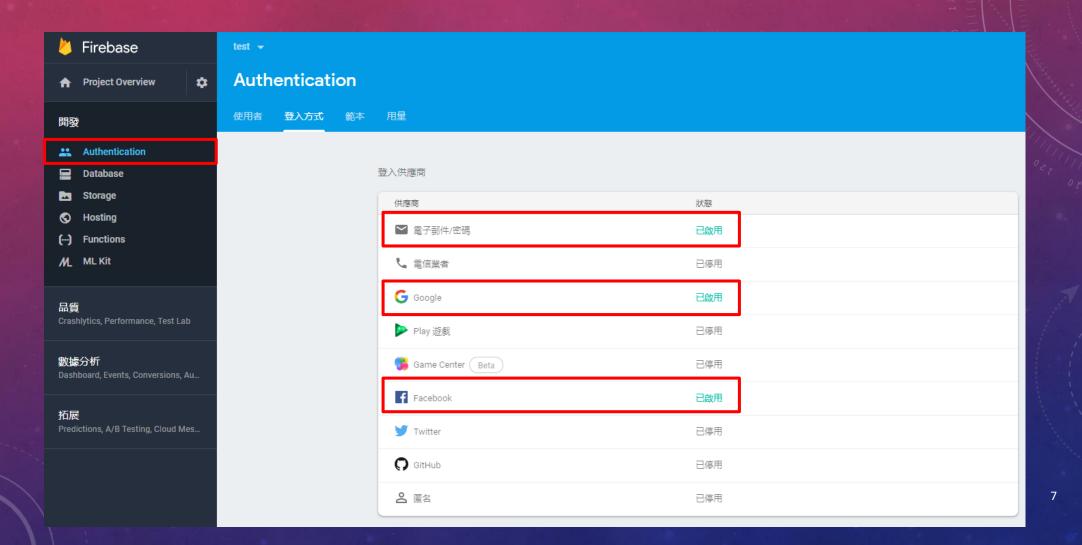
如要進一步瞭解適用於網路應用程式的 Firebase, 請查看下列資源:

Get Started with Firebase for Web Apps [2]

Firebase Web SDK API Reference [2]

Firebase Web Samples [2]

啟用驗證模式



啟用電子郵件登入



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使用電子郵件註冊 (1/3)

使用電子郵件註冊 (2/3)

```
k!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Firebase Authentication via Email</title>
    <script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
    <script src="https://www.gstatic.com/firebasejs/5.7.1/firebase.js"></script>
    <script>
      var config = {
        apiKey: "AIzaSyCeNTtjWefxoTGgRLYn1h_RG4O5ujyWwUg",
        authDomain: "test-1e3a7.firebaseapp.com",
        databaseURL: "https://test-1e3a7.firebaseio.com",
        projectId: "test-1e3a7",
        storageBucket: "test-1e3a7.appspot.com",
        messagingSenderId: "10397822667"
      firebase.initializeApp(config);
    </script>
```

使用電子郵件註冊 (3/3)

使用電子郵件登入 (1/3)

Firebase .	Authenticat	tion Sign In via Em	ail
Email	密碼	登入	
登出			
取得UID			
<body> <h1>Fireba</h1></body>	ıse A uthenticatic	on Sign In via Email	
<pre><input <button="" ic="" ic<="" pre="" typ=""/></pre>	be="text" id="pwd ="SignIn">登入 <br ="SignOut">登出<	ail" placeholder="Email d" placeholder="密碼"/ /button> ID	

https://jiaweichang.github.io/biography/slides/10701/Ajax_Programming_Design/W16/testAuthentication-SignIn.html

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使用電子郵件登入 (2/3)

```
k!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Firebase Authentication via Email</title>
    <script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
    <script src="https://www.gstatic.com/firebasejs/5.7.1/firebase.js"></script>
    <script>
      var config = {
        apiKey: "AIzaSyCeNTtjWefxoTGgRLYn1h_RG4O5ujyWwUg",
        authDomain: "test-1e3a7.firebaseapp.com",
        databaseURL: "https://test-1e3a7.firebaseio.com",
        projectId: "test-1e3a7",
        storageBucket: "test-1e3a7.appspot.com",
        messagingSenderId: "10397822667"
      firebase.initializeApp(config);
    </script>
```

使用電子郵件登入 (3/3)

連線至Firebase登入

```
var userLogin;
    firebase.auth().onAuthStateChanged(function(user) {
     if (user) {
       userLogin = user;
        alert("User is logined")
        userLogin = null;
        alert("User is not logined yet.");
    });
    $("#SignOut").click(function(){
        firebase.auth().signOut().then(function() {
            consote.log("User sign out!");
        }, function(error) {
        console.log("User sign out error!");
     });
    $("#getUID").click(function(){
        if (userLogin)
            alert(userLogin['uid']);
    });
});
```

啟用 FACEBOOK 登入 (1/2)



啟用 FACEBOOK 登入 (2/2)



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使用 FACEBOOK 登入 (1/3)

```
Firebase Authentication Sign In via Facebook
登入
登出
取得UID
   <body>
    <h1>Firebase Authentication Sign In via Facebook</h1>
    <button id="SignIn">登入/button><br><br>
     <button id="SignOut">登出
     <button id="getUID">取得UID</button><br></pr>
   </body>
 </html>
```

使用 FACEBOOK 登入 (2/3)

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Firebase Authentication via Facebook</title>
    <script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
    <script src="https://www.gstatic.com/firebasejs/5.7.1/firebase.js"></script>
    <script>
      var config = {
        apiKey: "AIzaSyCeNTtjWefxoTGgRLYn1h RG405ujyWwUg",
        authDomain: "test-1e3a7.firebaseapp.com",
        databaseURL: "https://test-1e3a7.firebaseio.com",
        projectId: "test-1e3a7",
        storageBucket: "test-1e3a7.appspot.com",
        messagingSenderId: "10397822667"
      firebase.initializeApp(config);
    </script>
```

使用 FACEBOOK 登入 (3/3)

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```
$(document).ready(function(){
    var provider = new firebase.auth.FacebookAuthProvider();
    provider.addScope('user_birthday');
    provider.setCustomParameters({'display': 'popup'});
    var userLogin;
    firebase.auth().onAuthStateChanged(function(user) {
     if (user) {
        userLogin = user;
        alert("User is logined")
        userLogin = null;
        alert("User is not logined yet.");
    });
    $("#SignIn").click(function(){
        firebase.auth().signInWithPopup(provider).then(function(result) {
           var token = result.credential.accessToken;
           // 使用者資料
           userLogin = result.user;
           alert("成功使用 Facebook 帳號登入!");
        }).catch(function(error) {
           var errorCode = error.code;
           var errorMessage = error.message;
           var email = error.email;
           var credential = error.credential;
            alert(errorMessage)
    });
```

```
$("#SignOut").click(function(){
    firebase.auth().signOut().then(function()) {
        console.log("User sign out!");
        }, function(error) {
        console.log("User sign out error!");
        });
    });

$("#getUID").click(function() {
        if (userLogin)
            alert(userLogin['uid']);
        });
    </script>
</head>

查詢UID與登出
```

啟用 GOOGLE 登入



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使用 GOOGLE 登入 (1/3)

Firebase Authentication Sign In via Google

登入

登出

取得UID

https://jiaweichang.github.io/biography/slides/10701/Ajax_Programming_Design/W16/testAuthentication-SignIn%20-%20Google.html

使用 GOOGLE 登入 (2/3)

```
<!DOCTYPE html>
<html>
 <head>
    <meta charset="UTF-8">
    <title>Firebase Authentication via Goolge</title>
    <script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
    <script src="https://www.gstatic.com/firebasejs/5.7.1/firebase.js"></script>
    <script>
      var config = {
        apiKey: "AIzaSyCeNTtjWefxoTGgRLYn1h_RG4O5ujyWwUg",
        authDomain: "test-1e3a7.firebaseapp.com",
        databaseURL: "https://test-1e3a7.firebaseio.com",
        projectId: "test-1e3a7",
        storageBucket: "test-1e3a7.appspot.com",
        messagingSenderId: "10397822667"
     };
      firebase.initializeApp(config);
    </script>
```

使用 GOOGLE 登入 (3/3)

使

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```
$(document).ready(function(){
    var provider = new firebase.auth.GoogleAuthProvider();
    provider.addScope('https://www.googleapis.com/auth/contacts.readonly');
    provider.setCustomParameters({'login_hint': 'user@example.com'});
    var userLogin;
    firebase.auth().onAuthStateChanged(function(user) {
     if (user) {
        userLogin = user;
        alert("User is logined")
        userLogin = null:
        alert("User is not logined yet.");
    });
    $("#SignIn").click(function(){
        firebase.auth().signInWithPopup(provider).then(function(resutt) {
           var token = result.credential.accessToken;
           // 使用者資料
           userLogin = result.user;
           alert("成功使用 Google 帳號登入!");
        }).catch(function(error) {
            var errorCode = error.code;
            var errorMessage = error.message;
            var email = error.email;
            var credential = error.credential;
            alert(errorMessage)
       });
    });
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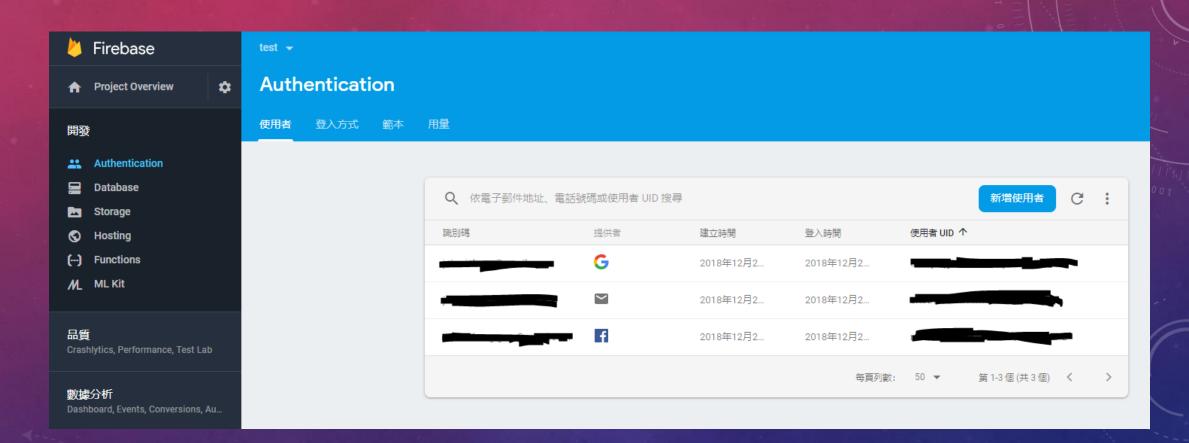
```
$("#SignOut").click(function(){
    firebase.auth().signOut().then(function() {
        console.log("User sign out!");
    }, function(error) {
        console.log("User sign out error!");
     })
});

$("#getUID").click(function(){
     if (userLogin)
        alert(userLogin['uid']);
    });

</script>
</head>
```

查詢UID與登出

啟用被允許的帳號



引用資料與延伸閱讀

- 1. https://medium.com/@shaizo/firebase-authentication-part-1-using-email-password-a9837a788ea5
- 2. https://medium.com/@shaizo/firebase-authentication-part-2-using-facebook-login-b2aa7d4bcf38
- 3. https://medium.com/@shaizo/firebase-authentication-part-3-using-google-login-and-github-login-927e68f413b7
- 4. http://sj82516-blog.logdown.com/posts/1050619
- 5. https://firebase.google.com/docs/auth/web/google-signin
- 6. https://firebase.google.com/docs/auth/web/facebook-login

