

# Ng7O2AuthFirebaseProject Firebase Authentication Library for Angular7

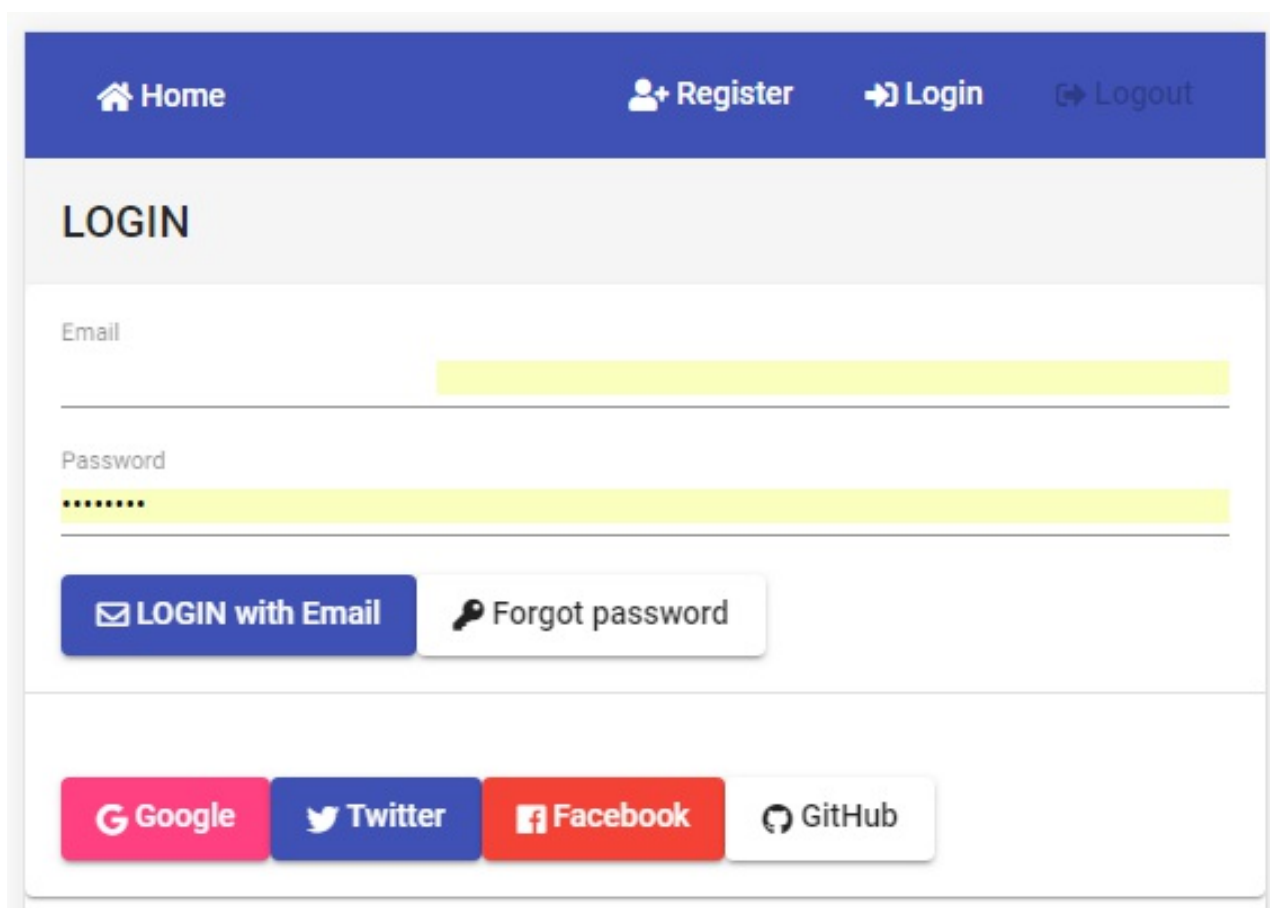
license MIT

*Ng7O2AuthFirebaseProject* is a sample project for making and using Firebase Authentication Library ( *ng7-o2-auth-fb* ).

This full source code,  
<https://github.com/Ohtsu/ng7-o2-auth-firebase-project>

Video Explanation (Japanese),  
<https://youtu.be/>

Video Explanation (English),  
<https://youtu.be/>



The screenshot displays a web application's login page. At the top, a dark blue navigation bar contains links for 'Home', 'Register', 'Login', and 'Logout'. Below this, the main content area is titled 'LOGIN'. It features two input fields: 'Email' and 'Password', both highlighted with a yellow background. Below the 'Email' field is a blue button labeled 'LOGIN with Email'. To its right is a white button labeled 'Forgot password'. At the bottom of the form, there are four social login buttons: 'Google' (pink), 'Twitter' (blue), 'Facebook' (red), and 'GitHub' (white).

## Overview

- *ng7-o2-auth-fb* is a service library for authentication by Firebase.
- This service library is independent of components. Therefore, you can use both Angular Material

and Bootstrap. In this sample project, Angular Material is used.

- In addition, you can change the redirect destination page and message by editing the environment variable.
- Supported certificates are login/password, Google, Twitter, Facebook and GitHub.
- Registering of users is supported.
- Reissuing of passwords is also supported.

## Prerequisite

- node.js
- Typescript3
- Angular7
- Angular Material
- Firebase
- Angular/fire

## Installation

To install this project, run simply:

```
$ npm install
```

## Set environment variables

Before starting the server, you need to create an account on Firebase and set that information as an environment variable.

We need to make Firestore database available as well.

Environment variables are set in the environments/environment.ts file.

```
export const environment = {
  production: false,
  firebase: {
    apiKey: '-- You need to set this param--',
    authDomain: '-- You need to set this param--',
    databaseURL: '-- You need to set this param--',
    projectId: '-- You need to set this param--',
    storageBucket: '-- You need to set this param--',
    messagingSenderId: '-- You need to set this param--'
  },
  o2AuthService: {
    debugMode: true,
    redirectPath: {
      afterLoginPath: '/',
      signInPath: 'sign-in',
      registerUserPath: 'register-user',
    }
  }
}
```

```

    dashboardPath: 'dashboard',
    forgotPasswordPath: 'forgot-password',
    verifyEmailPath: 'verify-email-address'
  },
  message: {
    sendChangeEmail: 'Sent email',
    logout: 'Logout',
    forgotPasswordEmailSent: 'Password reset email sent, check your inbox',
    resetPasswordEmailSent: 'Password update email sent'
  }
}
};

```

## Start local server

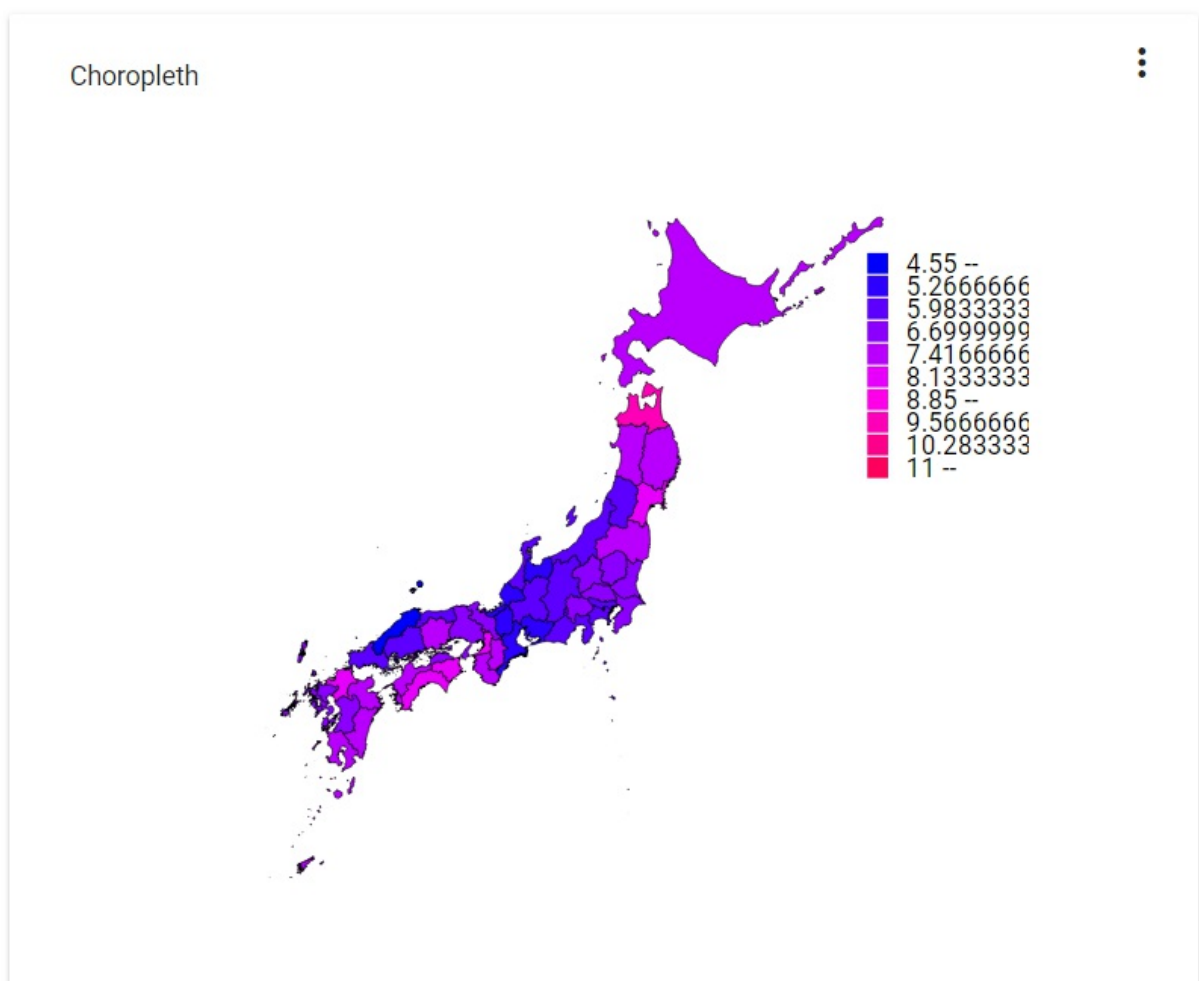
Start local server as follows.

```
$ ng s -o
```

You will find default dashboard page in your browser.

- **First Page**

## Dashboard 2



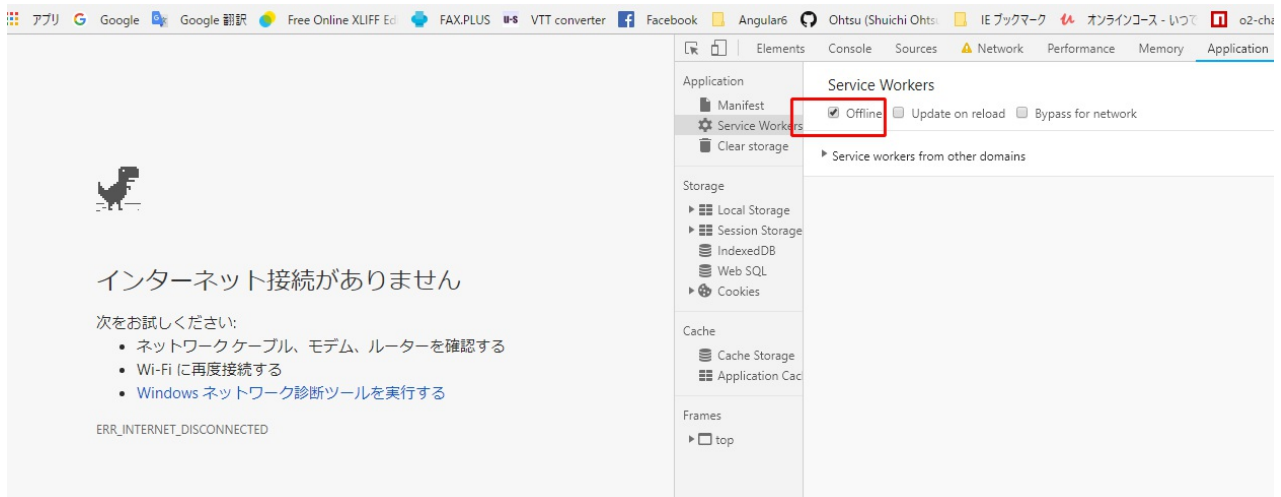
## Check offline mode

Then type `control + shift + i` for opening developer tool in Chrome.

Open Application Tab and Service Workers.

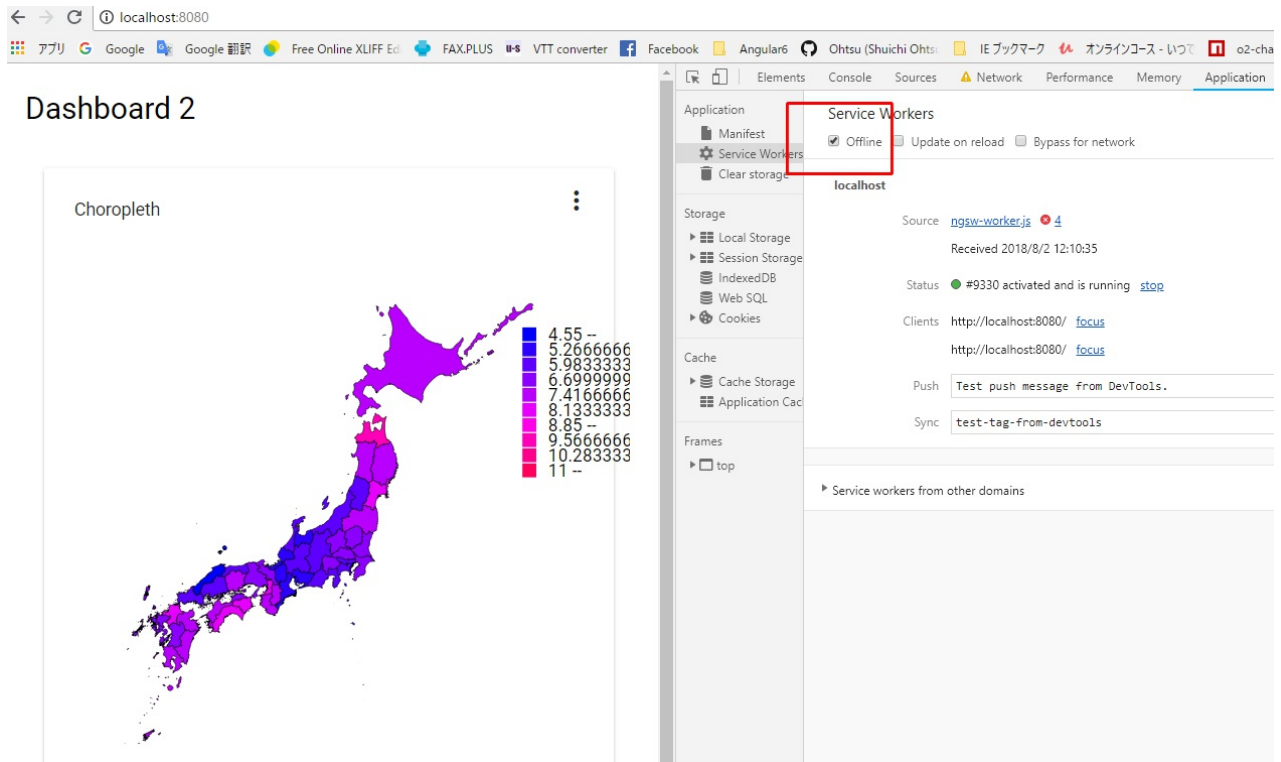
Try to check Offline and refresh the page.

In the case of a normal Web application, when offline, an error message is displayed as follows.



However, if you use the PWA function, such an error message will not be displayed even though it is in offline mode.

Because the service worker detected offline and used the cache.



## Version

- ng7-o2-auth-firebase-project : 0.3
- ng7-o2-auth-fb : 0.3
- Angular7 : 7.1.4
- TypeScript : 3.1.6
- @angular/fire : 5.1.1
- firebase : 5.8.2
- @angular/material : 7.3.1
- @fortawesome/fontawesome-free : 5.7.1
- hammerjs : 2.0.8
- node.js : 10.12.0

## Reference

- "Angular + Firebase Progressive Web App Starter",  
<https://github.com/codediodeio/angular-firestarter/edit/master/src/app/core/auth.service.ts>
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## Change Log

- 2019.2.6 version 0.3 uploaded

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