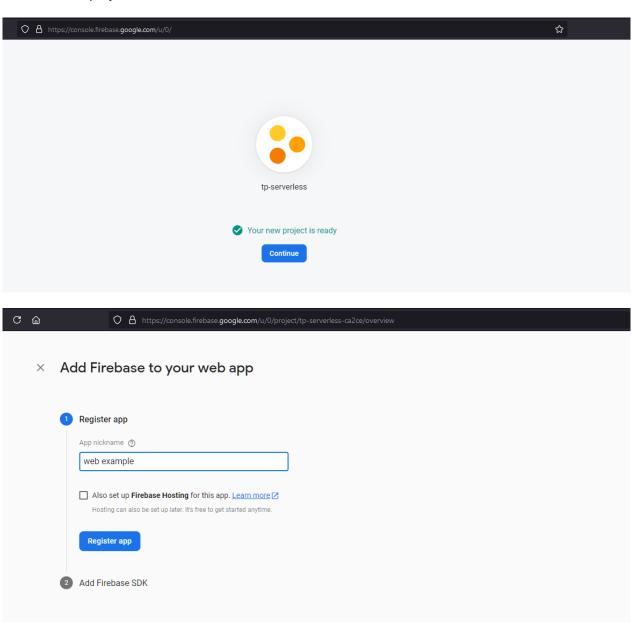


TP1 – Firebase Authentication

SERVERLESS ET CLOUD NATIVE APPLICATIONS

Réalisé par : Younes IBIZZI INE2 ASEDS

1- Création du projet Firebase



2- Ajout du projet à l'application web :

```
PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> npm install firebase @angular/fire npm MARN EBADENGINE package: 'inpt-cloud-mamgas@0.0.0', npm warn EBADENGINE required: { node: '12.13.0', npm: '6.12.0' }, and warn EBADENGINE required: { node: 'v15.13.0', npm: '7.7.6' }

added 1542 packages, and audited 1543 packages in 3m

70 vulnerabilities (3 low, 53 moderate, 12 high, 2 critical)

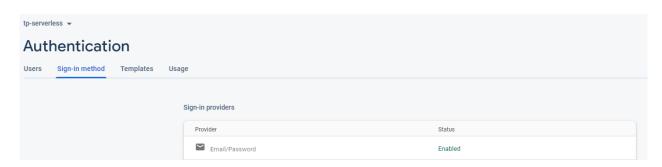
To address issues that do not require attention, run: npm audit fix

To address all issues (including breaking changes), run: npm audit fix --force

Run `npm audit` for details. npm notice
```

```
### Comparison of the Comparis
```

3- Activation de Firebase Authentication :



4- Ajout de firebase auth à l'app

```
TS environment.ts M
                                               TS app.module.ts M •
src > app > T$ app.module.ts > 😭 AppModule
        import { NgModule } from '@angular/core';
        import { AppRoutingModule } from './app-routing.module';
       import { AppComponent } from './app.component';
import { AngularFireModule } from '@angular/fire';
import { AngularFireAuthModule } from '@angular/fire/auth';
        import { AngularFireStorageModule } from '@angular/fire/storage';
       import { AngularFireMessagingModule } from '@angular/fire/messaging';
        @NgModule({
          declarations: [
            AppComponent
           imports: [
           BrowserModule,
AppRoutingModule,
AngularFireModule.initializeApp(environment.firebase),
            AngularFireAuthModule,
            AngularFireMessagingModule,
             AngularFireStorageModule
          ],
           providers: [],
```

5- Ajout du service d'auth

```
PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> ng g s service/auth
Your global Angular CLI version (11.2.7) is greater than your local version (11.0.4). The local Angular CLI version is used.

To disable this warning use "ng config -g cli.warnings.versionMismatch false".

CREATE src/app/service/auth.service.spec.ts (347 bytes)

CREATE src/app/service/auth.service.ts (133 bytes)

PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> []
```

6- Création du composent d'authentification :

```
app.component.ts - serverless-naruto-app - Visual Studio
index.html M
                     TS environment.ts M
                                               TS app.module.ts M
                                                                       TS app.component.ts X
src > app > TS app.component.ts > 😝 AppComponent
       import { Component } from '@angular/core';
import { AuthService } from './service/auth.service';
        @Component({
          selector: 'app-root',
         templateUrl: './app.component.html',
styleUrls: ['./app.component.scss']
        export class AppComponent {
          title = 'inpt-cloud-mamgas';
          email: string = "";
          password: string = "";
          constructor(public authService: AuthService) {
          signup() {
            this.authService.signup(this.email, this.password);
             this.email = this.password = "";
```

```
app.component.html - serverless-naruto-app - Visual Studio Code
index.html M
                  TS environment.ts M
                                          TS app.module.ts M
                                                                TS app.component.ts M
                                                                                          12 | | | /tr
15
           <h1 *ngIf="authService.user | async">
             Welcome User: {{(authService.user | async ).email }}
21
22
           <div *ngIf="!authService.user | async">
23
24
               <label for="email">Email: </label>
25
26
27
               <input id="email" type="text" [(ngModel)]="email" />
               <label for="password">Password: </label>
28
29
               <input id="password" type="text" [(ngModel)]="password" />
               <button (click)="login()" [disabled]="!email || !password"> Login</button>
<button (click)="signup()" [disabled]="!email || !password"> Signup</button>
           <button (click)="logout()" *ngIf="authService.user | async">Logout</button>
```

Résultat :



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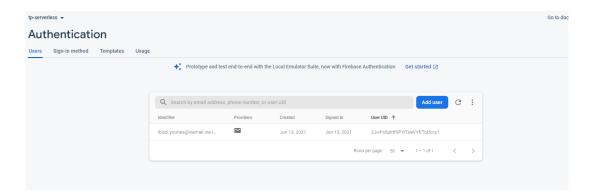
	image		name		caracteristique
	TE S		Naruto UZUMAKI		Kyubi
Email:	Pa	ssword:		Login	Signup

Naruto SHIPPUDDEN

image	name	caracteristique	
	Naruto UZUMAKI	Kyubi	

Welcome User: ibizzi.younes@inemail.ine.inpt.ma

Logout



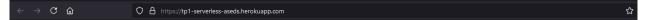
7- Déploiement sur Heroku :

PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> heroku create tp1-serverless-aseds

» Warning: heroku update available from 7.38.2 to 7.54.0.

Creating • tp1-serverless-aseds... done

```
PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> git checkout -b master
Switched to a new branch 'master'
PS C:\Users\Admin\Desktop\cs\rapports\INE2\s4p2\SERVERLESS ET CLOUD NATIVE APPLICATIONS\TP1 PAAS\serverless-naruto-app> git push heroku master
Total 0 (delta 0), reused 0 (delta 0)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: ----> Building on the Heroku-20 stack
remote: ----> Determining which buildpack to use for this app
remote: ----> Determining which buildpack to use for this app
remote: ----> Creating runtime environment
remote: ----> Creating runtime environment
```



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image		name		caracteristique
TE S		Naruto UZUMAKI		Kyubi
Email:	Dageword:	ľ	Login	Signup