steps:

1.create a project in angular cli

2.go to firebase.google.com

3.get start free:

enter a name for project

in console -> select add firebase to your web app -> see the CDN and config

copy config and pase it in app.module.ts of the project like angularFirebaseSample project

4. go to root of project in cmd

5. install firebase in npm:

npm install firebase angularfire2 --save

follow the angularFirebaseSample project

fixing authentication to access to database:

6. in firebase.google.com -> console of the project

go to rules tab -> change them temporary to:

"rules": {

".read": true,

".write": true

}

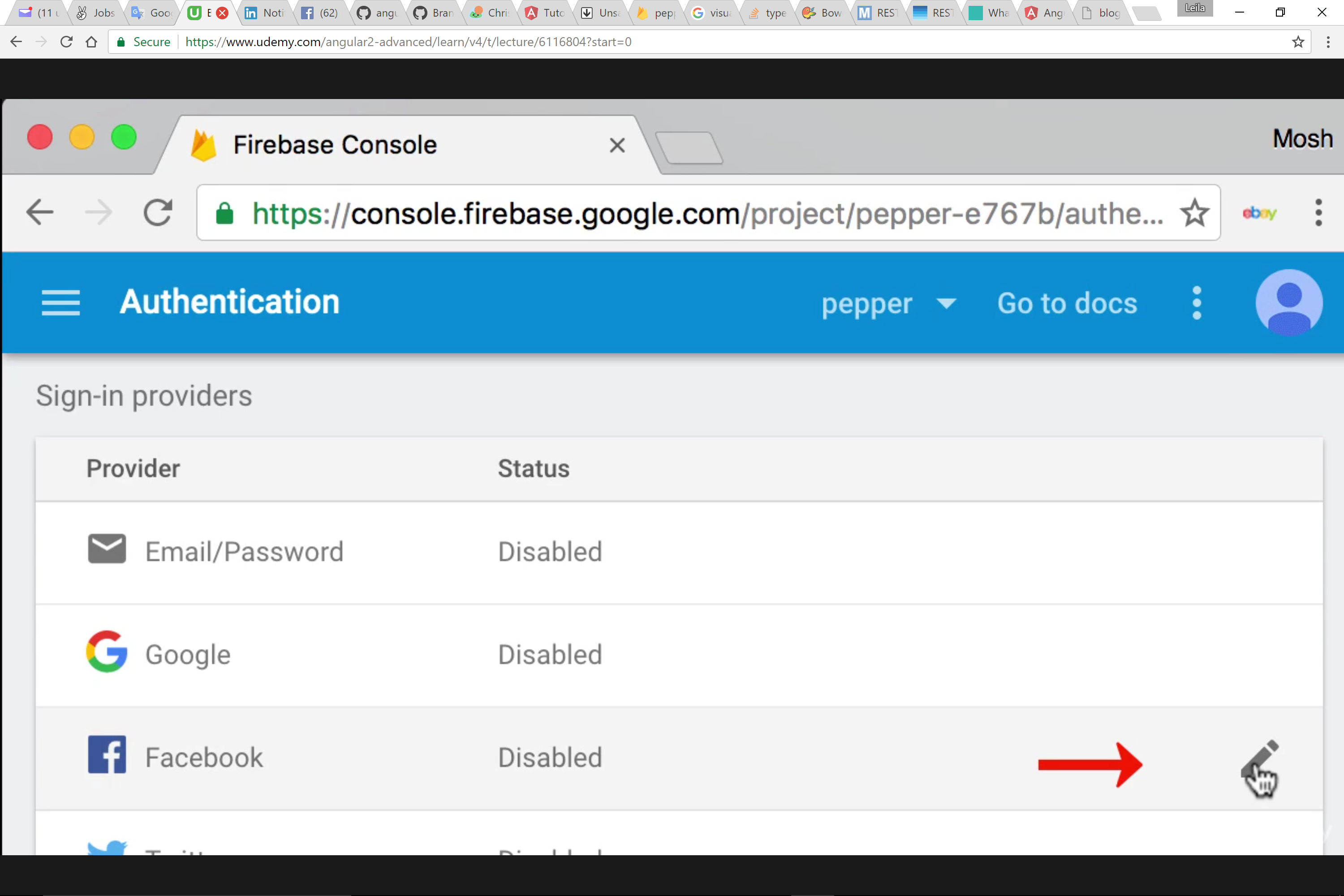
Advance firebase

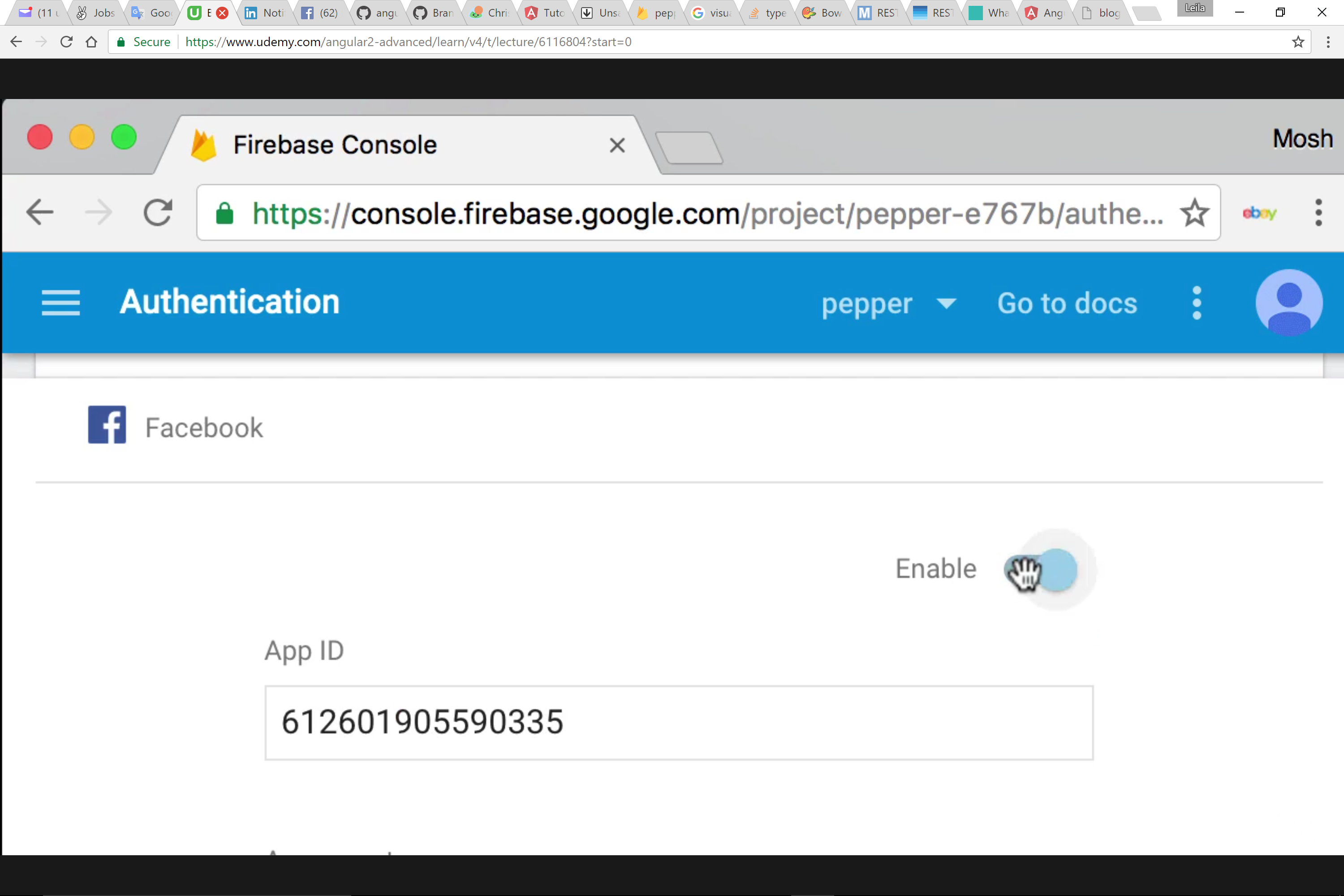
Authentication:

firebase console -> Authentication -> "SIGN-IN METHOD" tab ->

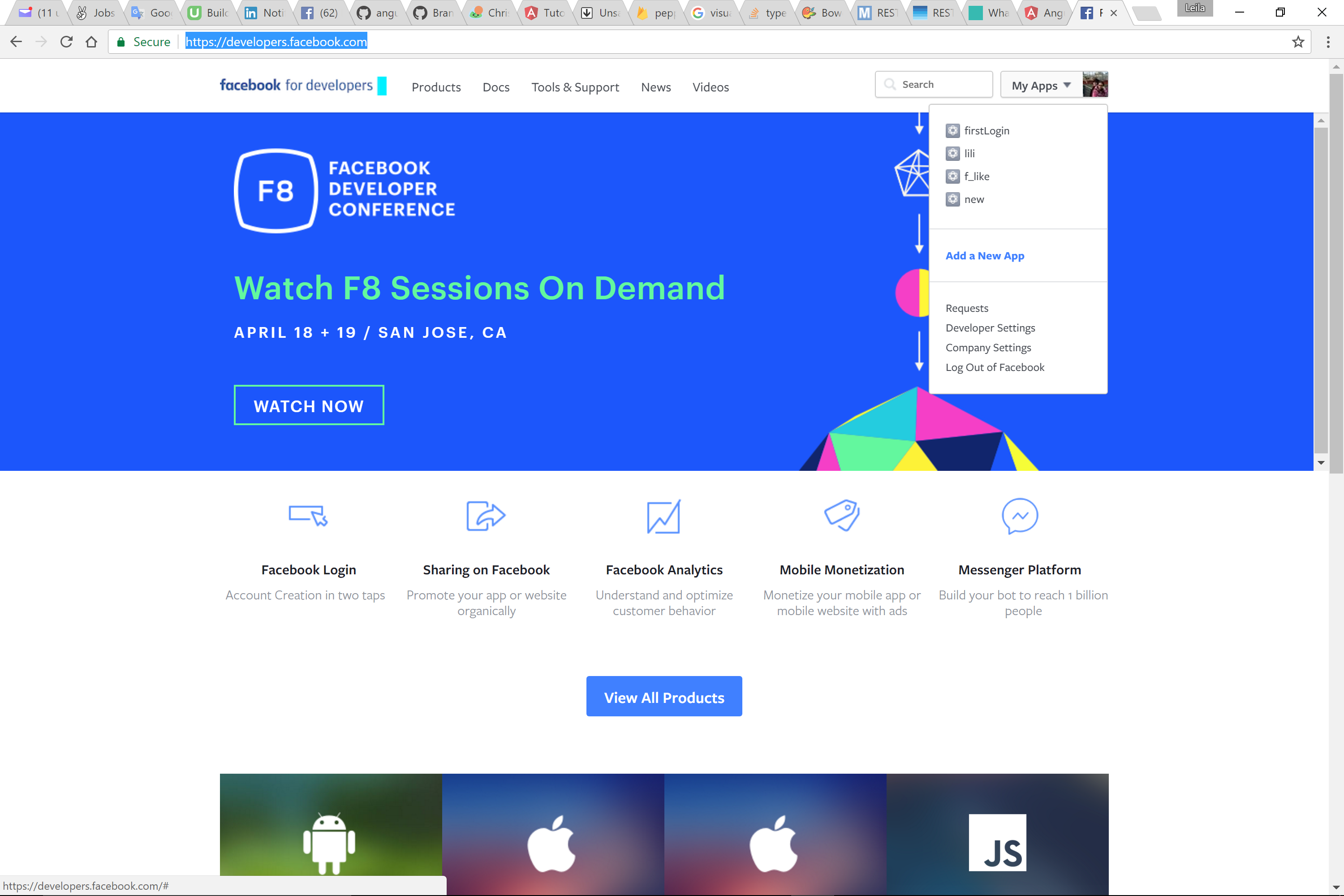
implementing facebook authentication :

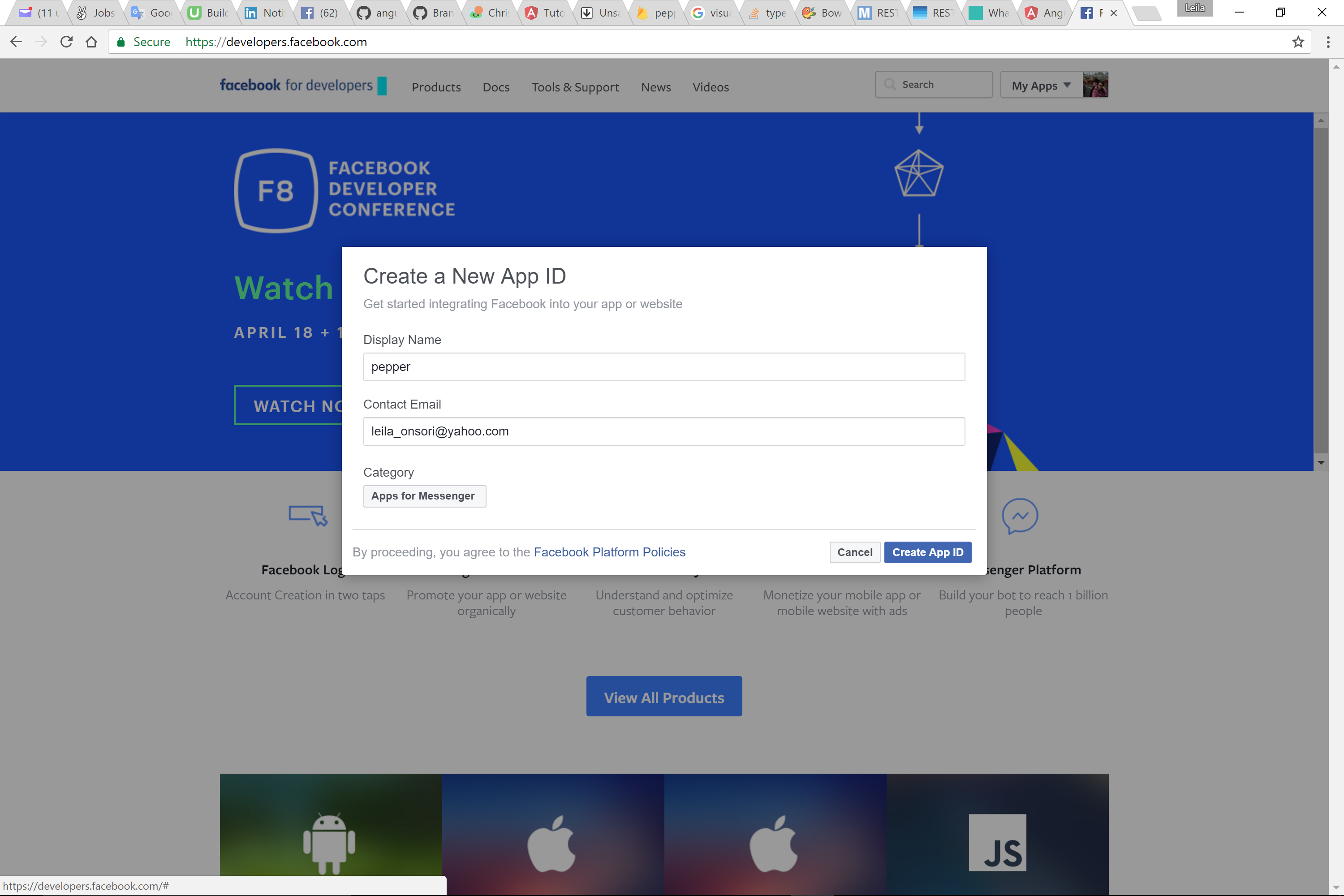
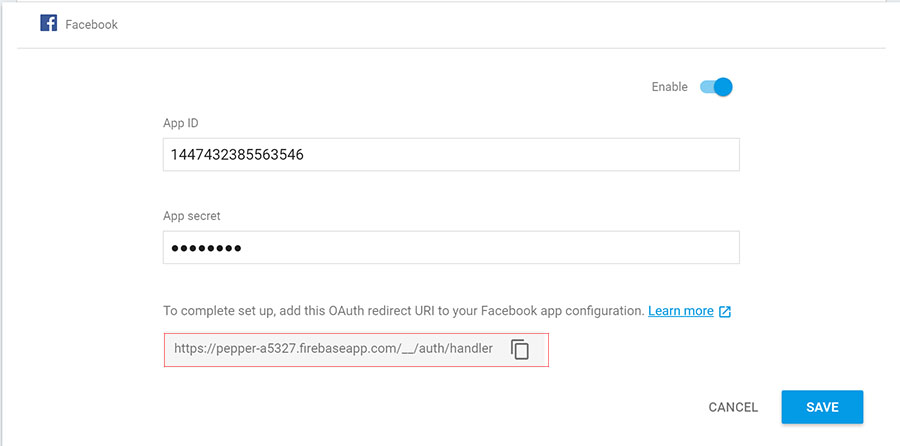
1. press



2.enable facebook login 

3. go to : <https://developers.facebook.com/>



**4.** **5. Go to dashboard and copy App ID and App Secret (should be in show mode then copy it) then paste them to App ID and App secret of firebase.  
  
6.copy the** OAuth redirect URI **in firebase then paste it in facebook -> add product ->facebook login -> get started ->** Valid OAuth redirect URIs -> save changes  **then save the changes in firebase as well  
  
   
  
Additional facebook permission :**

**Facebook dashboard -> App Review -> under “Approved Items” you can see 3 login permission**

**Facebook dashboard -> App Review -> under “Submit Item For Approval” -> press Start a Submission -> from a left sight list you can add several permission**

**Facebook dashboard -> App Review -> At the top -> Make Pepper Public? -> yes**

**Calling facebook graph API:**

[**https://www.udemy.com/angular2-advanced/learn/v4/t/lecture/6117032?start=0**](https://www.udemy.com/angular2-advanced/learn/v4/t/lecture/6117032?start=0)

**Go to url : https://graph.facebook.com/facebook.uid/?fields=first\_name,last\_name,gender&access\_token=access\_token**

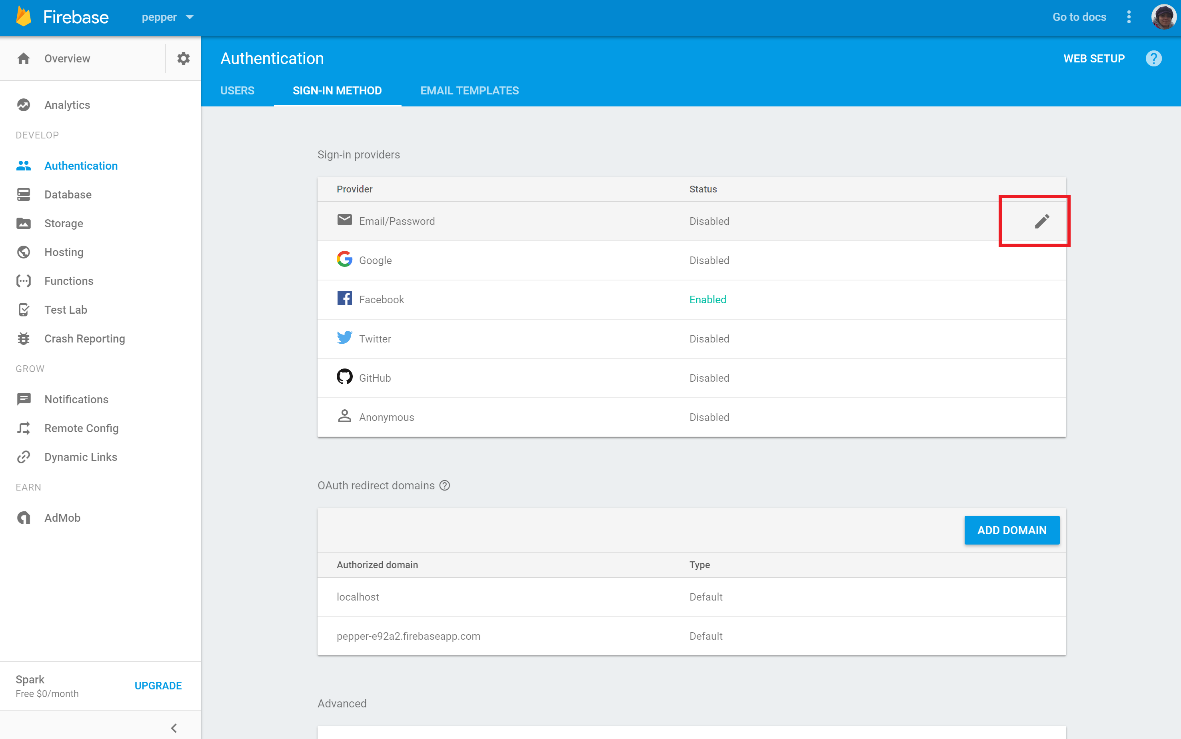
facebook.uid: copy from console of the app (angularAdvanceFirebaseSample)

**access\_token: copy value from firebase database in the user node**

**Email & password Authentication:**

[**https://www.udemy.com/angular2-advanced/learn/v4/t/lecture/6128004?start=0**](https://www.udemy.com/angular2-advanced/learn/v4/t/lecture/6128004?start=0)

**in firebase website -> authentication -> sign-in providers -> enable -> save**

**  
  
  
Authorization:**