

ANGULAR 2 FUNDAMENTALS

December 13, 2017

PART 18

SUMMARY

- ➤ We learned how frontend and backend works
- ➤ We learned 2 ways of building forms
- ➤ When creating a user for example what do we need?
 - ➤ User model
 - ➤ User service
 - ➤ User components
 - ➤ User forms
 - ➤ User crud
 - ➤ Backend services to accept and reply

WE STILL HAVE A LONG WAY TO GO

- ➤ For the more advance discussions:
 - ➤ Authentication front/end, backend
 - ➤ Local storage / sqlite (mobile)
 - > Ionic

AUTHENTICATION

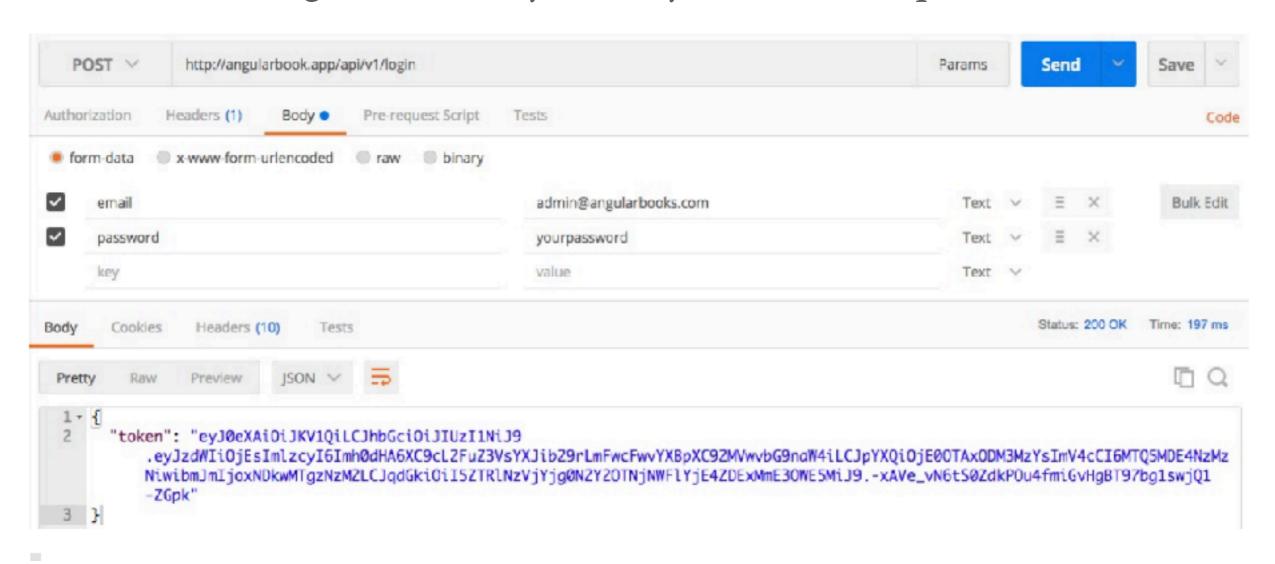
- ➤ Laravel has a quick guide for configuring authentication:
- ➤ The command is:

php artisan make:controller AuthController

https://laravel.com/docs/5.5/authentication

TOKEN AUTHENTICATION IN LARAVEL

- https://github.com/tymondesigns/jwt-auth
- After making this work you may test this in postman



HANDLING IT IN ANGULAR

- ➤ Create a login component
- ➤ Create an AuthService (sample code for guide purposes)

LOGIN.COMPONENT.TS

```
import { Component, OnInit } from '@angular/core';
import {FormBuilder, Validators, FormControl, FormGroup} from '@angular/forms';
import {AuthService} from '../services/auth.service';
import {Router} from '@angular/router';
@Component({
  selector: 'ng-login',
  templateUrl: './login.component.html',
  styleUrls: ['./login.component.css']
export class LoginComponent implements OnInit {
  userForm: FormGroup;
  passwordControl: FormControl;
  emailControl: FormControl;
  token: string;
```

LOGIN.COMPONENT.TS

```
status: string;
 message: string;
  static isValidEmail(control: FormControl) {
    const email_regexp = /^[a-z0-9!#$\%8"*+\/=?^_^{{|}}~.-]+@[a-z0-9]([a-z0-9-]*[a-z0-9])
?(\.[a-z0-9]([a-z0-9-]*[a-z0-9])?)*$/i;
    return email regexp.test(control.value) ? null : {
      invalidEmail: true
   };
  constructor(fb: FormBuilder, private authService: AuthService, private router: Router
    this.passwordControl = fb.control('', [Validators.required, Validators.minLength(6)
]);
    this.emailControl = fb.control('', [Validators.required, LoginComponent.isValidEma
il]);
    this.userForm = fb.group({
     email: this.emailControl,
     password: this.passwordControl
   });
```

LOGIN.COMPONENT.TS

ngOnInit() { login() { this.authService.login(this.userForm.value) .subscribe(response => { console.log(response); if (response === true) { this.router.navigate(['/admin']); } else { this.status = "error"; this.message = "Username or password is incorrect"; error => { console.log(<any>error); this.status = "error"; this.message = error['message'];

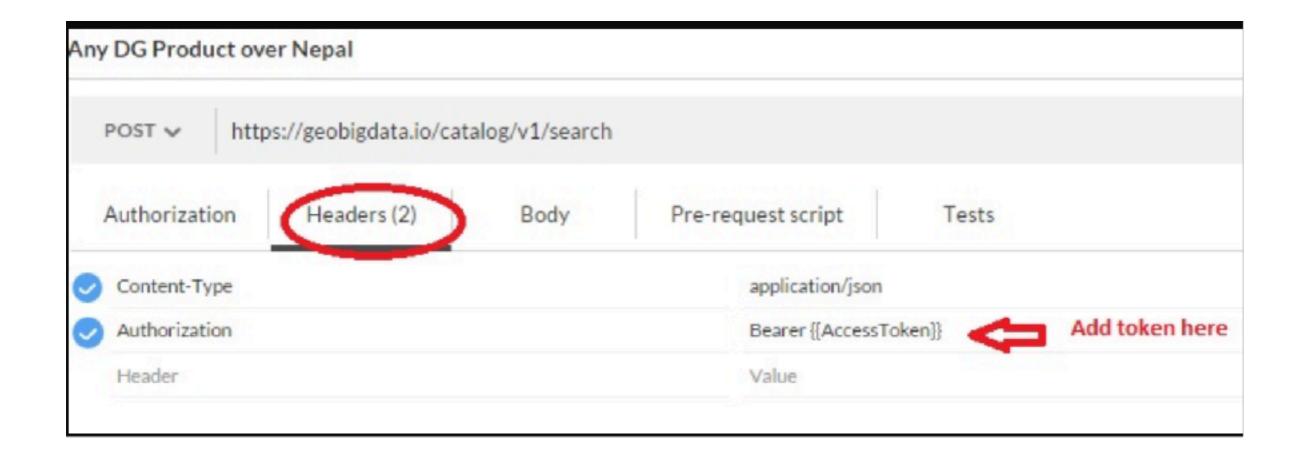
STORING THE TOKEN

Using local storage

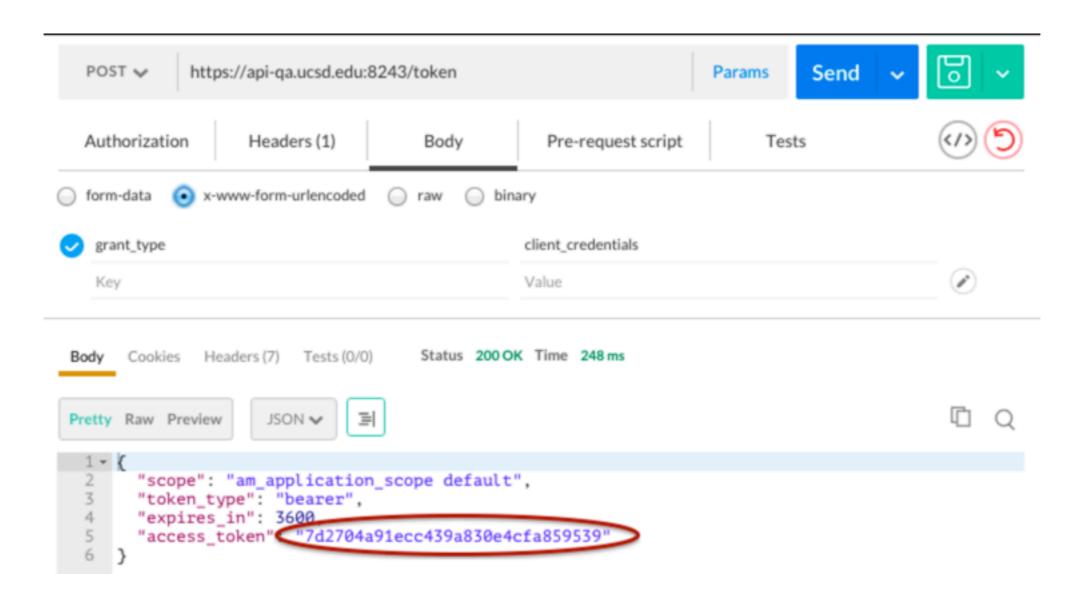
```
localStorage.setItem('token', this.token);
```

- ➤ Check out Angular JWT package to communicate and handle tokens in the frontend
- > Sample using postman:
- ➤ Get https://postman-echo.com/get?test=123

SAMPLE OF TOKEN IMPLEMENTATION (EMBEDDED IN HEADERS)



SAMPLE OF TOKEN IMPLEMENTATION (IN URL)



DEPLOYING ANGULAR APPLICATION

- Run ng build --prod
- ➤ The source project will be inside the list folder which can be pushed to your web server

IONIC FRAMEWORK

- ➤ Install required modules
- > npm install -g ionic cordova
- ➤ ionic start MyIonicProject tutorial

```
Pownloading and extracting tutorial starter - done!

Pould you like to integrate your new app with Cordova to target native iOS of Indroid? Yes oject, this will also install norm modules for the application. Personalizing ionic.config.json and package.json - done!

Nownloading integrations enable cordova - quiet

Downloading integration cordova - done!

Copying integrations files to project - done!

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Installing dependencies may take several minutes.

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Speed up development with the Ionic DevApp, our fast, on-device testing mobil app

a guided starter project

Pest on iOS and Android without Native SDKs

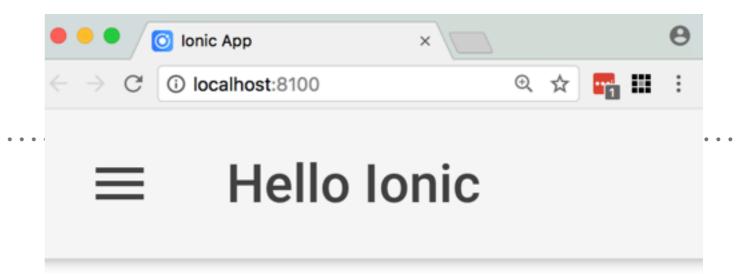
EliveReload for instant style and JS updates

Cify a template by running ionic start MylonicProject, the tabs

--> Install DevApp: https://bit.ly/ionic-dev-app <--
```

RUN APP

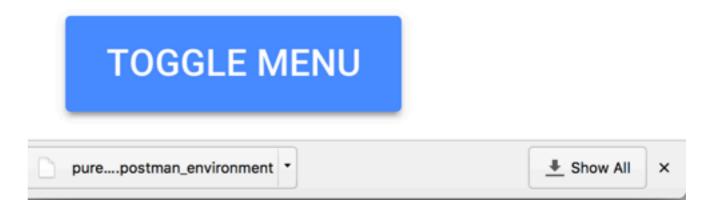
- cd MyIonicProject
- ➤ ionic serve



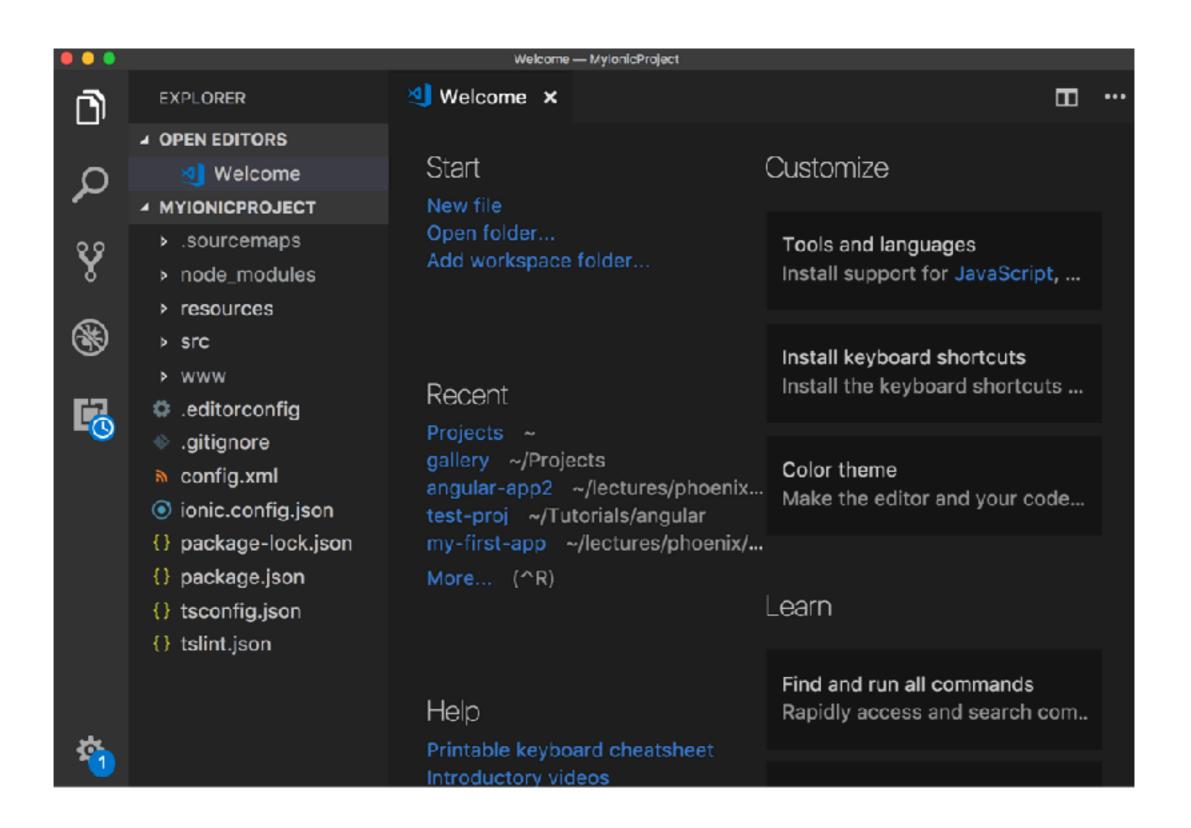
Welcome to your first lonic app!

This starter project is our way of helping you get a functional app running in record time.

Follow along on the tutorial section of the lonic docs!

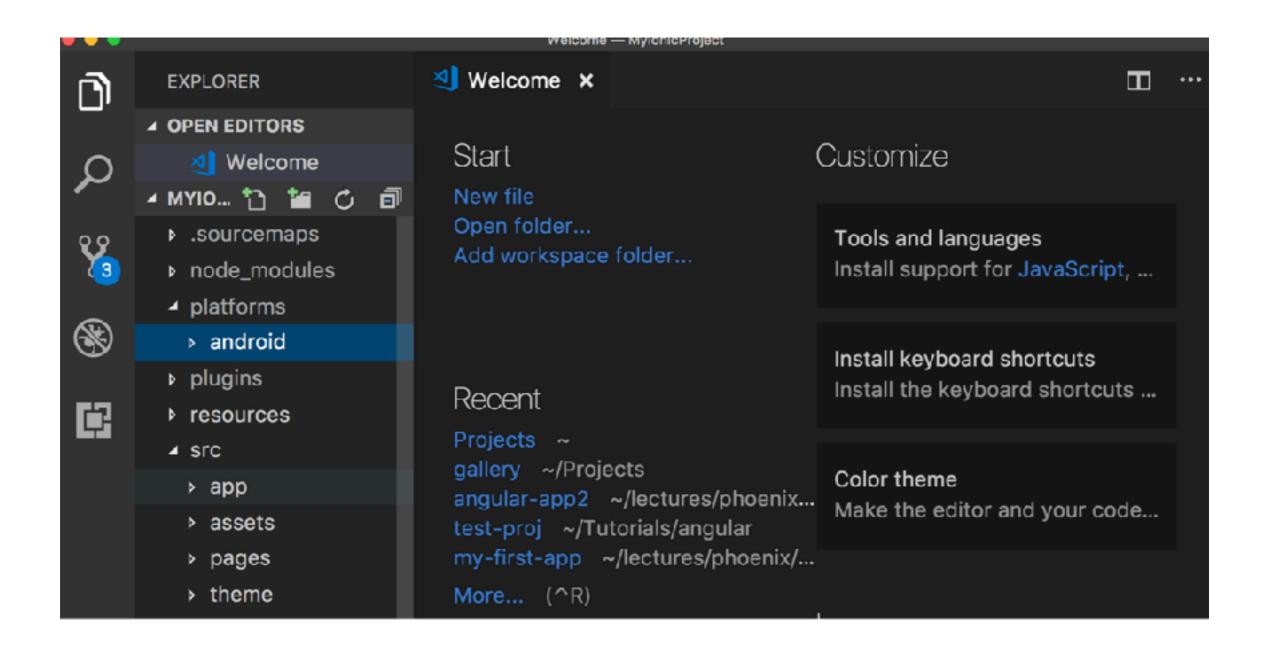


ITS ALSO ANGULAR INSIDE



GET ANDROID

cordova platform add android



IONIC BUILD TO BUILD AND ANDROID PROGRAM

ionic cordova build --release android

```
build dev started
12:28:18] clean started ...
12:28:18] clean finished in 2 ms./cotil
12:28:18] copy started ...
12:28:18] deeplinks started ...toria s/angulai
         deeplinks finished in 19 ms
12:28:18]
12:28:18] transpile started ... | ectures/phoenix/...
[12:28:21] transpile finished in 2.86 s
12:28:21 preprocess started ...
12:28:21]
          preprocess finished in less than 1 ms
          webpack started ...
12:28:217
12:28:21] copy finished in 3.00 s
12:28:26] webpack finished in 5.10 s
[12:28:26]
         sass started ...
```

YOUR APK IS READY!

- Send it to app store
- ➤ Or send ask to your friends

IT WAS A PLEASURE GUYS!

- > You may reach me at for your questions
 - > james.to@torgph.com
 - > james.to@nextbank.ph
 - **>** 09188980708

➤ Good luck and keep on upgrading your skills

END OF PART 18