# Học Angular Nguyễn Đức Hoàng: <https://www.youtube.com/watch?v=P2aubCeKpd0&list=PLWBrqglnjNl1qQw2nH5O1A8W_DVC3xo-V&index=20>

# Học Angular với khoapham:

# <https://www.youtube.com/watch?v=q8RdFZw-gjo&list=PLzrVYRai0riTA1m7Dasg8eraBr6R9nFgC>

# <https://github.com/vanpho93/learn-angular>

# https://www.youtub e.com/watch?v=-tMnNf2cSck

# https://www.youtube.com/watch?v=gNd0WsVCaHU

# Bài Tạo máy tính đơn giản.

# <https://www.djamware.com/post/5e5dbad838830959a15f9a6d/ionic-5-tutorial-create-ionic-calculator-app-angular>

# Bài 1: ionic 5 Video Tutorials-point Part-1 how to create ionic app

<https://www.youtube.com/watch?v=3NsCs658jX0&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=1>

ionic start myFirstApp

go to cd myFirstApp

myFirstApp ionic serve --lab🡺 run app.

# Bài 2: ionic 5 Video Tutorials-point Part-2 set startup page in ionic

<https://www.youtube.com/watch?v=YumweEVr0xQ&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=2>

Today we will see how to set startup page in ionic

Right now my app is set default startup as home

Now we will change to welcome page

Create one page

Now go to router.module.ts file

Your welcome page is added in router

welcome

Now go to app.commponents.ts

1 import router

2 set router in the constructor

3 set navigation URL

And run your ionic app

Done now our startup page is welcome thanks… for watching

# Bài 3: ionic 5 Video Tutorials-point Part-3 welcome page in ionic

<https://www.youtube.com/watch?v=gqTC-dq6NYE&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=3>

Today we will design a welcome page in ionic

1 choose any background image and I m using image size 300 x 512 you can use any size based on your app need

2 copy and paste into asset folder in your app

3 remove header part of your welcome page

4 add welcome text

5 set background image

6 add CSS for welcome text

7 set navigation after 5 seconds to home page

ionic 5 Video Tutorials-point Part-4 login page and get input from user and show-up in console

# Bài 4: ionic 5 Video Tutorials-point Part-4 login page and get input from user and show-up in console

<https://www.youtube.com/watch?v=msvoySmTvLY&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=4>

Today we will learn login page design and get input from user and show-up in console

1 generate auth/login page

2 Now we have to set login page after welcome page

3 set background style

4 add an ion-input fields user name, password and submit button

5 style our input fields and button

6 get user input and show up in the console.

# Bai 5: ionic 5 Screen Rotation and status bar

<https://www.youtube.com/watch?v=FzA6594bXZk>

Today we will see Screen rotation and Status Bar background color In ionic

Status Bar

1 install npm package for the Status bar with the following command

**npm install --save @ionic-native/status-bar**

2 Import Status Bar in the app.component

**import { StatusBar } from ‘@ionic-native/status-bar/ngx';**

3 Now go to initializeApp function and set the background color

this.statusBar.backgroundColorByHexString(‘#2a5298’);

4 Now set the provider and import StatusBar in app.module

import { StatusBar } from ‘@ionic-native/status-bar/ngx’;

providers: [

StatusBar

],

5 Build and check in the emulator for ios/android

Screen rotation

1 install npm package and plugin for Screen rotation with the following commands

ionic cordova plugin add cordova-plugin-screen-orientation

**npm install @ionic-native/screen-orientation**

2 Import Screen Orientation in the app.component

import { ScreenOrientation } from ‘@ionic-native/screen-orientation/ngx';

3 Now go to initializeApp function and set the Screen rotation

this.screenOrientation.lock(this.screenOrientation.ORIENTATIONS.PORTRAIT);

4 Now set the provider and import screen orientation in app.module

import { ScreenOrientation } from ‘@ionic-native/screen-orientation/ngx’;

providers: [

StatusBar,

ScreenOrientation

],

Let's try in an emulator

5 Build and check in the emulator for ios/android:

>cordova platform add android –save.

# Bài 6: ionic 5 Video Tutorials-point Part-6 side menu design and add new pages

<https://www.youtube.com/watch?v=94YxSMH1bdI&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=5>

Today we will design the home page menu list

1 set the login redirection to home page

2 go-to app-app.component.ts

3 add the list items

4 add an icon to list items

5 add list item pages

6 Logout page is no need.

# Bài 7: ionic 5 Video Tutorials-point-7 android and iOS build and run

<https://www.youtube.com/watch?v=tBTE8XMOHiU&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=6>

Today we will add android and iOS platform and run in an emulator in our ionic project

1 open terminal in your visual studio code

2 type the following command

for android ionic cordova build android

for iOS ionic cordova build ios

And wait till completed all build

3 open android studio and select your platform folder

and wait till download and installation are completed

4 run the app

5 now go to our platform folder and open iOS folder and open .xcodeproj file

it will open in Xcode ide

6 run the app.

# Bài 8: ionic 5 Video Tutorials-point-8 splash screen

<https://www.youtube.com/watch?v=AfLg99h5qLg&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=8>

Today we will see how to add splash screen and logo

1 make your app icon and splash screen images with this size

icon size 1024x1024 and splash screen size 2732x2732

2 now run the splash screen command if resources folder is not generated

ionic Cordova resources

ionic Cordova resources iOS

ionic Cordova resources android

You can run any command based on your App platform

3 Just copy and paste your icon and splash screen in the resources folder

ionic Cordova resources

Run this command

4 run build android and ios based on your app platform

ionic cordova build android

ionic cordova build iOS

wait till completed

5 run the app In simulator.

# Bài 9: ionic 5 Video Tutorials-point-9 custom component for sharing common data

<https://www.youtube.com/watch?v=xL3wd3JhyR0&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=7>

Today we will see how to add a custom component for sharing common data

1 generate header component

Ionic g component header.

2 create custom component.ts file and import header Part

3 copy and paste our header part from home page to Header component

4 import component file in home page module.ts or you can use based on your app common data sharing

5 add a component in imports

6 repeat for 4 and 5 steps for other pages

7 run the app.

# Bài 10: ionic 5 Video Tutorials-point-10 ionic image slider

<https://www.youtube.com/watch?v=zl8_gGyUxTI&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=9>

Today we will see how to add slider in out ionic app

1 copy and past image in the assets folder in the ionic project

image size I m using 600x300 you can use any size based on your app UI

2 add slider in home page

3 add slider setting ts file.

# Bài 11: ionic 5 Video Tutorials-point-11 ionic Popover

<https://www.youtube.com/watch?v=NgsB9TJW1lw&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=11>

Today we will see how to add popover in ionic

1 goto header component and add notifications ball with click event

2 generate popover component and import into header component

3 call popover function on click in the header component

4 design our popover

5 Set popover close function in the popover component.ts

6 import our popover In custom component to access our popover anywhere in the project

7 import our custom component in home.module.ts file or other pages.

# Bài 12: ionic 5 Video Tutorials-point-12 auth-service part-1

# <https://www.youtube.com/watch?v=nZfDdQYLRwM&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=14>

Today we will see how to add auth services with jwt in ionic

1 run the following command to make local storage for auth token.

npm i @ionic/storage @auth0/angular-jwt

2 generate pages, service, and authguard

pages

1 ionic g page auth/login this I already added

2 ionic g page auth/inside no need

services

1 ionic g service services/auth

2 ionic g service services/authGuard

3 goto app.module.ts and import the following

import { HttpClientModule } from '@angular/common/http'; import { Storage, IonicStorageModule } from '@ionic/storage';

import { JwtModule, JWT\_OPTIONS } from '@auth0/angular-jwt';

And follow the video

4 goto environment folder and add our API URL there

url:https://localhost:3000

5 goto auth-guard.service check user is activated or not and adding login register and logout functions

6 goto app.routing.module and change the routing and add a guard to the router to check the user is active or not

7 goto app.components.ts and subscribe to services

In the next part, we will set up the login register and logout.

# Bài 13: ionic 5 Video Tutorials-point-13 auth service part-2

<https://www.youtube.com/watch?v=BZ6QjgnymhA&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=15>

Today we will see how to add auth services with jwt in ionic

1 run the following command to make local storage for auth token.

npm i @ionic/storage @auth0/angular-jwt

2 generate pages, service, and authguard

pages

1 ionic g page auth/login this I already added

2 ionic g page auth/inside no need

services

1 ionic g service services/auth

2 ionic g service services/authGuard

3 goto app.module.ts and import the following

import { HttpClientModule } from '@angular/common/http'; import { Storage, IonicStorageModule } from '@ionic/storage'; import { JwtModule, JWT\_OPTIONS } from '@auth0/angular-jwt';

And follow the video

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6 goto app.routing.module and change the routing and add a guard to the router to check the user is active or not

7 goto app.components.ts and subscribe to services

In next part we will set up the login register and logout.

# Bài 14: ionic 5 Video Tutorials-point-part-14 auth-service part-3

<https://www.youtube.com/watch?v=jSjGnLfu_LI&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=17>

Today we will set up our login page for services to access the login details from API

1 add reactive form in login.module page

2 modify login.html form

3 setup the subscription function in login.ts file

Next part we will see how to logout in user.

# Bài 15: ionic 5 Video Tutorials-point-part-15 logout from side menu

<https://www.youtube.com/watch?v=EHfqJg036gs&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=19>

Today we will see how to call logout from the side menu

1 goto routing.module.ts file and the comment the AuthGuardService to go inside the app

2 generate the logout page

3 go to logout ts file and inside the ngOnInit() function call logout service

Import the auth service in logout page.ts

This.authService.logout();

Set the AuthGuardService to logout after your API is connected to the app

Done

# Bài 16: ionic 5 Screen Rotation and status bar

<https://www.youtube.com/watch?v=nlxKAbw_Ut0&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=26>

Today we will see Screen rotation and Status Bar background color In ionic

Status Bar

1 install npm package for the Status bar with the following command

npm install --save @ionic-native/status-bar

2 Import Status Bar in the app.component

import { StatusBar } from ‘@ionic-native/status-bar/ngx';

3 Now go to initializeApp function and set the background color

this.statusBar.backgroundColorByHexString(‘#2a5298’);

4 Now set the provider and import StatusBar in app.module

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2 Import Screen Orientation in the app.component

import { ScreenOrientation } from ‘@ionic-native/screen-orientation/ngx';

3 Now go to initializeApp function and set the Screen rotation

this.screenOrientation.lock(this.screenOrientation.ORIENTATIONS.PORTRAIT);

4 Now set the provider and import screen orientation in app.module

import { ScreenOrientation } from ‘@ionic-native/screen-orientation/ngx’;

providers: [

StatusBar,

ScreenOrientation

],

Let's try in an emulator

5 Build and check in the emulator for ios/android

# Bài 17: ionic 5 ionic wordpress rest api

<https://www.youtube.com/watch?v=nKld4_skHRs&t=453s>

Hi everyone today we will start Wordpress API with Ionic

Part one

1. install mamp in you MacBook Click the following link and download

https://www.mamp.info/en/downloads/

2. open mamp for application and start the server. Now go to PHP my admin create the database

My database name is “WordPress”

3. unzip the downloaded folder. open finder and goto application folder

copy and past WordPress folder in htdocs. Click the following link and download

https://wordpress.org/download/

4. open the browser and type the following link

http://localhost:8888/wordpress

And just follow the initial setup of WordPress

Next Part Will start Building Api In WordPress.

Hi everyone today we will start Wordpress API with Ionic

Part Two

In this part, we will work on design and dummy content for our WordPress API

1. first choose the theme which is the content post I am using the default theme

2. Add some dummy Post with title and description

3. add two plugins

1. WordPress rest API version 2

2. rest API filter fields

4. now check the endpoints of our post API

http://localhost/wordpress/wp-json/wp...

http://localhost/wordpress/wp-json/wp...

this is my endpoints

Done our API is working the next part we will get the post and user data into our ionic app.

Hi everyone today we will start Wordpress API with Ionic

Part Three

In this part, we will work on API Integration and display the WordPress post

1. create a blank new ionic app

command : ionic start

follow the steps

2. generate a page called post description

command: ionic g page post description

follow the steps

3. generate service called postService

command: ionic g service postService

follow the steps

4. Open the postService file and import the following

import { Observable, throwError} from 'rxjs';

import {HttpClient, HttpHeaders, HttpErrorResponse} from '@angular/common/http';

import {catchError, map } from ‘rxjs/operators';

5. Set Http Header to specify the content type and API URL

Follow the steps

6. setup following

variable : id : any;

constructor : and htthClient

function : httpErrorResponse Function

7. lats fetch the WordPress API data

Observable function

API data Extraction function

8. get the post list in home page

postData : any;

request the list of posts records from post service

async function call getData

call this function when page is load

in ngOnInit()

9. display the titles of posts

using ion-list and ion-item

10. import the HttpCientModule in App.module

import { HttpClientModule } from ‘@angular/commam/http’

and add into imports also

imports : [ HttpClientModule]

and run the app

11. now display the whole post when user click on any post title

for that, we have to store some data in our app so install storage

package for our app with the following command

npm install --save @ionic/storage

after install import the package in home.ts

import { Storage } from '@ionic/storage';

after that, we have to navigate to next post-description page to display the post, for navigation import the router

import { Router } from '@angular/router';

add into constructor also

and create async post view function with post id,

store the dynamic id and navigate to the post-description page

lets call the post view function from HTML post title and pass the post id into it

12. now open post-description.ts

import the storage package for retrieving the post id which we are stored in postView function and import into app.module also

import { Storage } from '@ionic/storage';

And import post the post-service

import the Storage in App.module

import { Storage } from ‘@ionic/storage’

and add into imports also

imports : [ Storage]

add into constructor also

create variables

id: any;

postView: any;

get the stored post id when the page is load

in ngOnInit()

create async getData function and pass the post id and call

in ngOnInit()

13. goto postservice and call the particular post record from WordPress API and response back to the post-description page

14. replace in-app.module

import {IonicStorageModule} from ‘@ionic/storage’

IonicStorageModule.forRoot(),

Restart the app

14 let's display the post data

# Bài ?: ionic 5 Video Tutorials-point-part-16 auth api using nodejs 1

<https://www.youtube.com/watch?v=nLzM9LKfi5A&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=22>

# Bài : ionic 5 Video Tutorials-point-part-17 auth api using nodejs 2

<https://www.youtube.com/watch?v=yPpeLbe6tWo&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=20>

# Bài : ionic 5 Video Tutorials-point-part-18 auth api using nodejs 3

<https://ionicacademy.com/ionic-video-feed-facebook/>

<https://www.youtube.com/watch?v=VI9G5GsK0_E&list=PLTKHYpQrbfkCffh4Aa8NmtpO398FyBhZH&index=21>

https://www.youtube.com/watch?v=MMAcz6Ra2f8

# Bài: Xây dựng ứng dụng app đọc sách android với ionic framework

# Part 1: [Mobile App Development Projects](https://www.youtube.com/watch?v=JV-UrNjZkOM&list=PLz5rnvLVJX5VqPpzf-rsWFZ6Y9toshtJj)

<https://www.youtube.com/playlist?list=PLz5rnvLVJX5VqPpzf-rsWFZ6Y9toshtJj>

# Part 1: Complete Mobile Application Development Project Based Workshop Using IONIC Framework - Part 1

# <https://www.youtube.com/watch?v=JV-UrNjZkOM&list=RDCMUCIKbbV7ae7LAWa8cGnvjSPA&index=1>

# Part 2: Complete Mobile Application Development Walkthrough Using IONIC Framework - Part 2

<https://www.youtube.com/watch?v=A3zUhTwgnlA&list=RDCMUCIKbbV7ae7LAWa8cGnvjSPA&index=2>