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Ionic 2

Ionic 2 is a complete framework to create native like mobile and web apps using web technologies HTML, CSS or SASS, Javascript or Typescript.

There is also a ionic 1 version of the framework that uses angular 1.0 but now Angular 2 is final and having a lots of new features and number of improvements. see [Angular 2 Features](#).

In this tutorial series we are going to start by bottom to create a ionic 2 app and topics related to ionic 2 app developement.

Let's get started ! Have a nice coding ! :)

Getting Started

To create a new ionic 2 app you need to first install the following in your system.

1. [Node JS](#)
2. ionic & cordova from NPM

Download the node js(version greater then 6) from the official website of node js and install it in your system. After installation you need to install ionic from the NPM(node package manager). Install ionic using following command.

```
npm install -g ionic
```

You need to also install cordova to use native plugins in your application. Install cordova using following command.

```
npm install -g cordova
```

After this installation you can use ionic 2 cli to create new app. Create new ionic 2 app using following command.

```
ionic start NewProject --v2 --ts
```

This will create new app with tabs template. This will create app with latest version of ionic 2. At the time of writing this book it is RC 0. ts flag used to create ionic 2 app in Typescript. v2 flag is used to create ionic 2 app.

This will take some time. Have cup of tea/coffee (Depends on your internet speed)

This will create new directory NewProject and install required initial plugins and libraries. There are some templates that you can use to create new app. Like,

```
ionic start NewTutorial tutorial --v2 --ts
```

This will create new app with tutorial template.

Now your new app is ready !! You can follow the instructions given by above command. First thing we need to do is a running your app in browser. To run ionic 2 app in browser type following command in your ionic 2 repository.

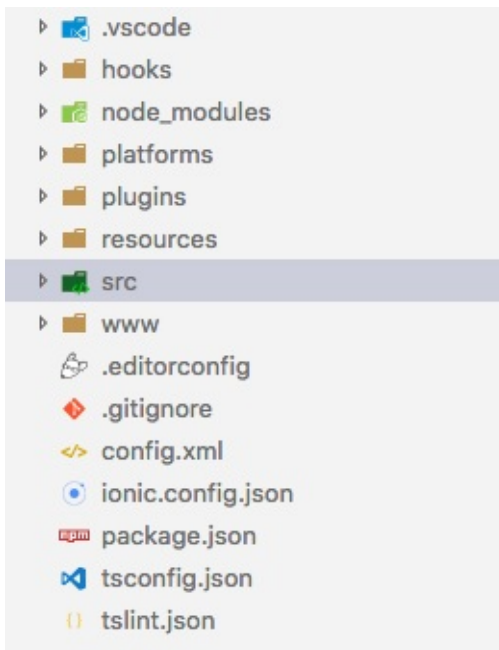
```
ionic serve
```

This will open the new browser window and start your newly created application.

Native plugins will not work in browser(ionic serve)

Congratulations, You have created a new ionic 2 app !

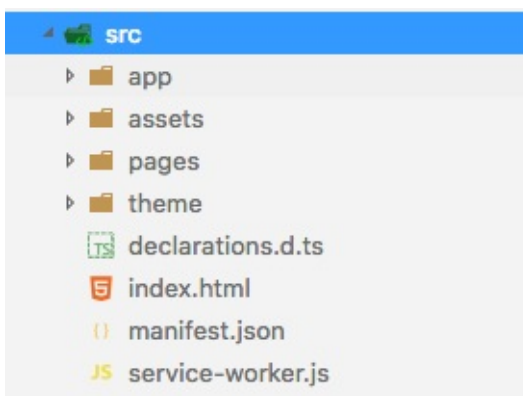
App Structure



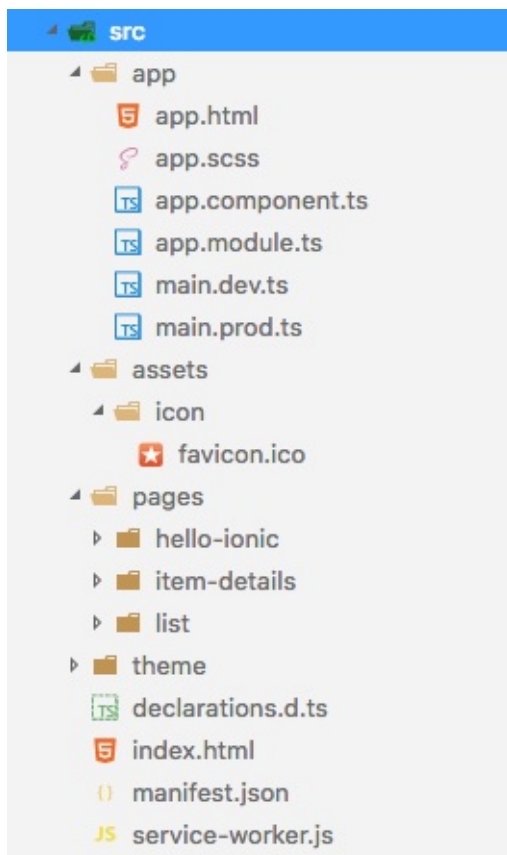
This is something that you can see in your editor when you are looking the first app. This is screen shot from [vscode editor](#).

This is directory structure is as per ionic 2 RC 0 version.

Look at the src folder:



Look at the nested folders of src folder:



When you are doing ionic 2 app development you will mainly write your code under src directory.

- **app** directory contains the app sepecific main files. Your application will start from here. All the configuration will reside here.
- **assets** directory contains the assets for your application
- **pages** directory contains the pages\screens for your application. Each page directory will contain the html,scss and ts file.
- **theme** directory contains the theme related files.