

Angular Introduction

Agenda:

1. Identify the Angular importance
2. Installing the Angular
3. First Application of Angular

Angular is an open-source front end framework developed by Google for creating Dynamic, modern web apps. This was introduced in the year of 2009. Angular 5 is introduced in the year of 2017 where this version has a lot of new approaches in front end web development. Angular helps build interactive and dynamic web page applications(SPAs) with its compelling features including templates, two-way bindings, RESTful API handling, AJAX handling.

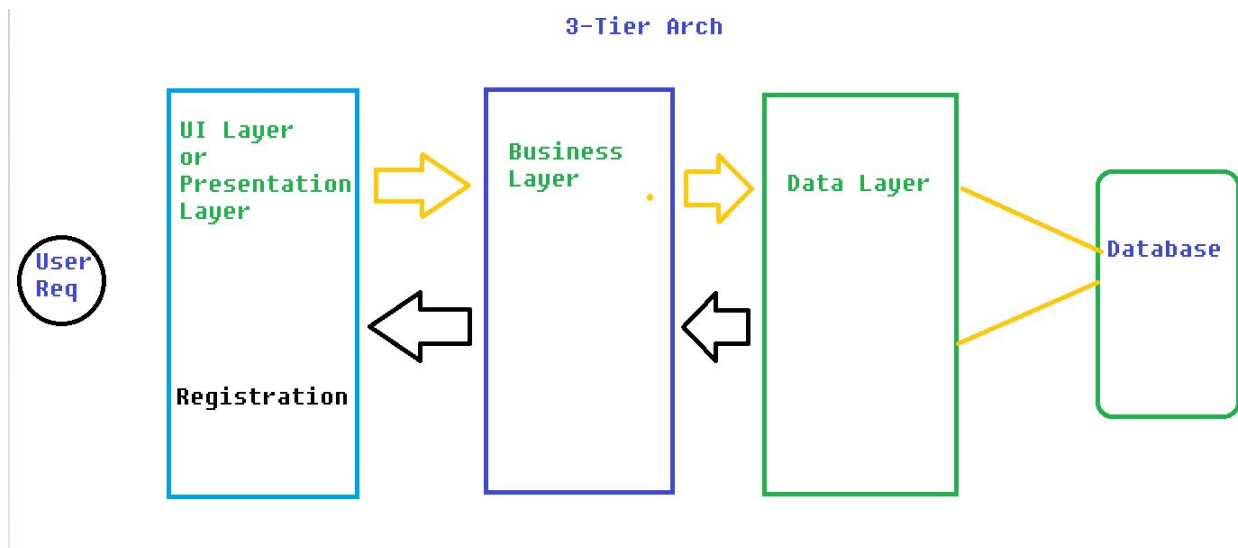
Angular applications are built using TypeScript Language, a superscript for javascript.

Angular framework is a embedded with MVC(Model, View and Controller) architecture

Software Architecture:

- a. 1-Tier Architecture
- b. 2-Tier Architecture
- c. 3-Tier Architecture
- d. n-Tier architecture
- e. MVC Architecture
- f. MVVC Architecture

3-Tier architecture:

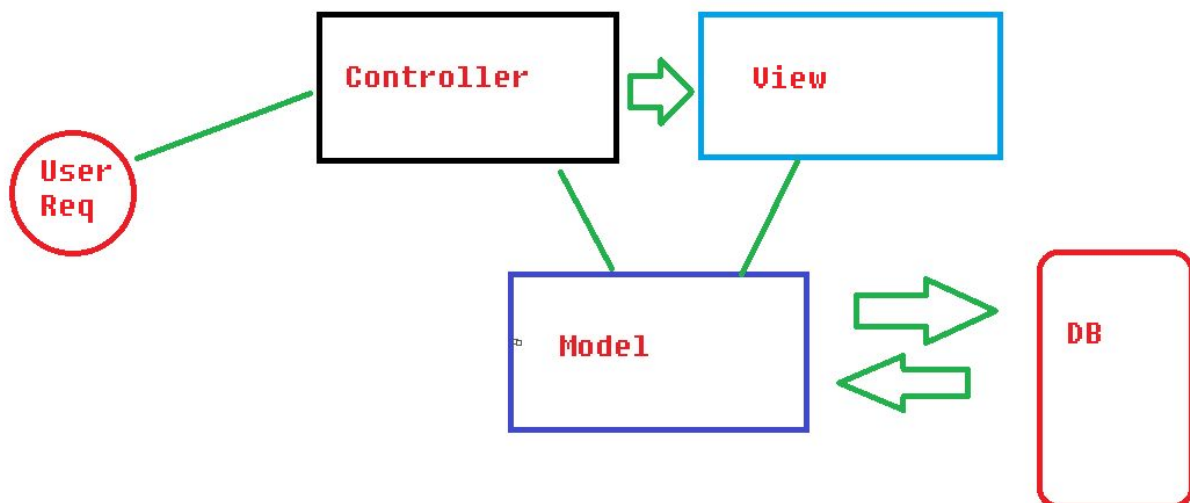


Presentation Layer or UI Layer : This is for designing the front end page or user is able to interact with it.

Business Layer:: Responsible for having business logic

Data Layer : Middle Layer between business layer and database.

MVC architecture:



Creating the First Application of Angular:

```
Try the new cross-platform PowerShell https://aka.ms/pscore6  
  
PS D:\Angular> npm install -g @angular/cli
```

```
C:\Windows\System32\cmd.exe  
Microsoft Windows [Version 10.0.18362.900]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
D:\Angular>ng new application-name
```

```
D:\Angular\angular-example>ng serve
```

```
Compiling @angular/core : es2015 as esm2015
Compiling @angular/animations : es2015 as esm2015
Compiling @angular/compiler/testing : es2015 as esm2015
Compiling @angular/animations/browser : es2015 as esm2015
Compiling @angular/common : es2015 as esm2015
Compiling @angular/core/testing : es2015 as esm2015
Compiling @angular/platform-browser : es2015 as esm2015
Compiling @angular/common/http : es2015 as esm2015
Compiling @angular/common/testing : es2015 as esm2015
Compiling @angular/platform-browser-dynamic : es2015 as esm2015
Compiling @angular/platform-browser/testing : es2015 as esm2015
Compiling @angular/router : es2015 as esm2015
Compiling @angular/animations/browser/testing : es2015 as esm2015
Compiling @angular/common/http/testing : es2015 as esm2015
Compiling @angular/forms : es2015 as esm2015
Compiling @angular/platform-browser/animations : es2015 as esm2015
Compiling @angular/platform-browser-dynamic/testing : es2015 as esm2015
Compiling @angular/router/testing : es2015 as esm2015

chunk {main} main.js, main.js.map (main) 60.6 kB [initial] [rendered]
chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 141 kB [initial] [rendered]
chunk {runtime} runtime.js, runtime.js.map (runtime) 6.15 kB [entry] [rendered]
chunk {styles} styles.js, styles.js.map (styles) 12.4 kB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map (vendor) 2.64 MB [initial] [rendered]
Date: 2020-07-07T05:26:44.031Z - Hash: fa492fb9ddabde163653 - Time: 13087ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.
```

You go to Browser and run the port number 4200
Localhost:4200