1. [Angular setup](https://angular.io)  
     
   To check your version, run node -v in a terminal/console window.  
     
   To get Node.js, go to [nodejs.org](https://nodejs.org/)  
     
   Step 1: Install the Angular CLI  
   npm install -g @angular/cli   
     
   Step 2: Create a workspace and initial application  
   ng new my-app  
     
   Step 3: Serve the application  
   cd my-app  
   ng serve --open  
     
   Step 4: Install sass compiler if you are using sass in your project  
   npm install node-sass  
     
   Step 5: Run your project again  
   ng serve --open  
   ng serve --o
2. Install JQuery in your project.  
     
   Step 1: Run this command to install JQuery in your project  
   npm install jquery --save  
     
   Step 2: Add JQuery reference in angular.json  
   "scripts": [ "node\_modules/jquery/dist/jquery.slim.min.js" ]  
     
   Step 3: Add this line in the component to start using JQuery in that component  
   import \* from 'jquery';  
   OR  
   declare var $: any;

OR

import \* as $ from 'jquery';

1. Install Bootstrap and Popper.js in your project  
     
   Step 1: Install Bootstrap in your project using  
   npm install bootstrap --save  
     
   Step 2: Install Bootstrap in your project using  
   npm install --save popper.js angular-popper  
     
     
     
     
   Step 3: Add Bootstrap and Popper.js reference in angular.json (CSS and JS)  
   "styles": [  
    "node\_modules/bootstrap/dist/css/bootstrap.min.css",  
    "src/styles.scss"  
    ],  
     
   "scripts": [ "node\_modules/jquery/dist/jquery.slim.min.js",  
    "node\_modules/popper.js/dist/umd/popper.min.js",  
    "node\_modules/bootstrap/dist/js/bootstrap.min.js" ]  
     
     
   Step 4: Run your project again  
   ng serve --open  
   ng serve --o
2. Install Owl Carousel in your project.  
     
   Step 1: Install Owl Carousel in your project using  
   npm install ngx-owl-carousel --save  
     
   Step 2: Add CSS and JS reference in angular.json  
     
   "styles": [  
    "node\_modules/bootstrap/dist/css/bootstrap.min.css",  
    "node\_modules/owl.carousel/dist/assets/owl.carousel.css",  
    "node\_modules/owl.carousel/dist/assets/owl.theme.default.css",  
    "src/styles.scss"  
    ]  
     
   "scripts": [ "node\_modules/jquery/dist/jquery.slim.min.js",  
    "node\_modules/popper.js/dist/umd/popper.min.js",  
    "node\_modules/bootstrap/dist/js/bootstrap.min.js",  
    "node\_modules/owl.carousel/dist/owl.carousel.min.js" ]  
     
   Step 4: Run your project again  
   ng serve --open  
   ng serve --o
3. Install and run Json Server  
     
   npm install -g json-server  
     
   Create a bd.json file and save it in your project.  
   Run the JSON server by going to that folder and using below command.  
     
   json-server --watch db.json

User these **reference links** for references:  
https://www.concretepage.com/angular-2/angular-4-crud-example  
https://www.npmjs.com/package/json-server

1. Generate Component using below command  
     
   ng g c <Component Name>
2. Installing Laravel for API  
     
   Install XAMPP  
     
   Open composer from XAMPP panel  
     
   composer create-project laravel/laravel myProject "5.7.\*"

Go into the newly created project directory and run command  
  
php artisan serve

1. Connect laravel to DB  
     
   CREATE A NEW DATABASE VIA PHPMYADMIN  
     
   CHANGES IN .ENV CONFIGURATION FILE  
     
   DB\_CONNECTION=mysql  
   DB\_HOST=127.0.0.1  
   DB\_PORT=3306  
   DB\_DATABASE=testProject  
   DB\_USERNAME=root  
   DB\_PASSWORD=

RUN MIGRATION (OPTIONAL)  
  
php artisan migrate