# A FULL STACK DEVELOPMENT CAPSTONE PROJECT



(Source Code)

### Version History:

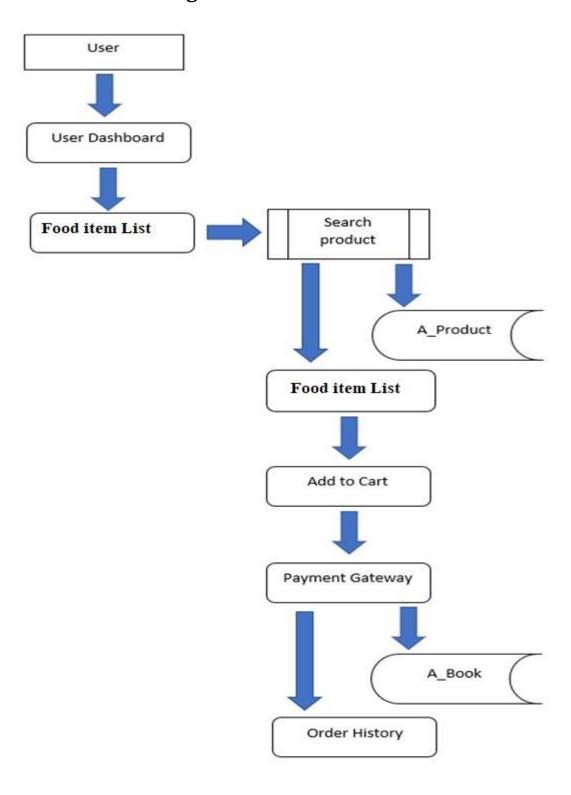
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2.	Purpose	Source Code
3.	Date	25 April 2022

4.	Version	1.0
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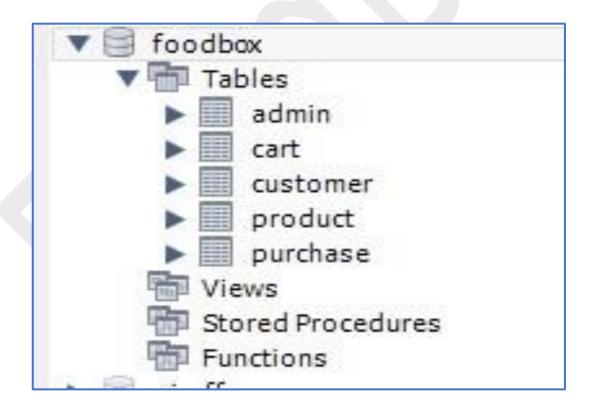
## 1. User Flow Chart Diagram.



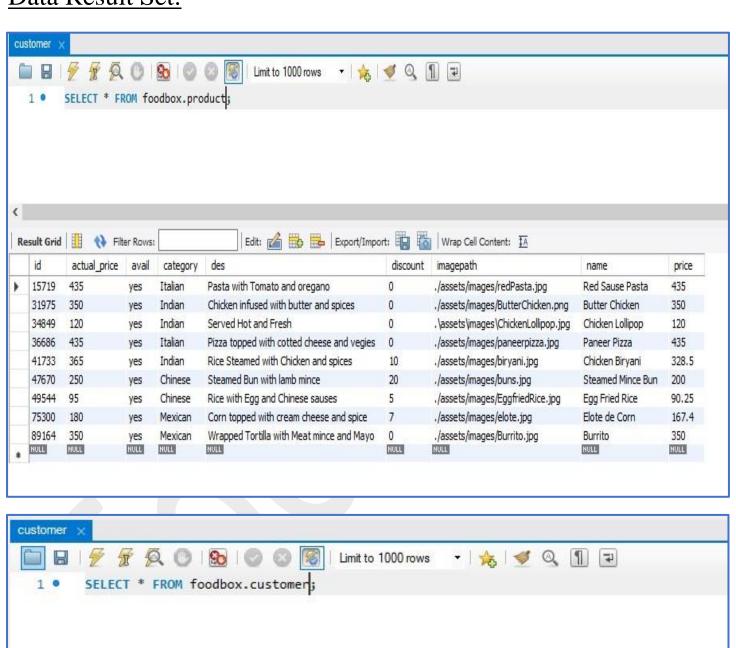
#### 2. GitHub Link.

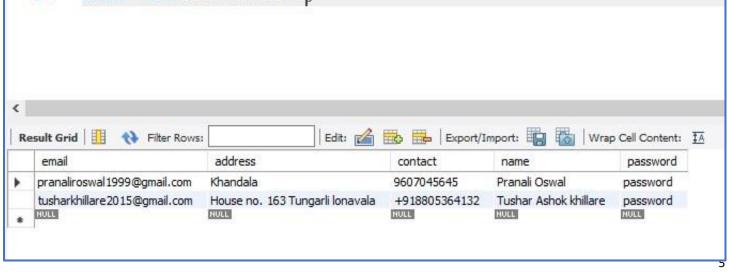
Repository Name.	FoodBox-Capstone-Project
GitHub Link.	https://github.com/ramani04/simplilern/tree/main/PHASE%206/FoodBox

## 3. Database Design.



#### Data Result Set:

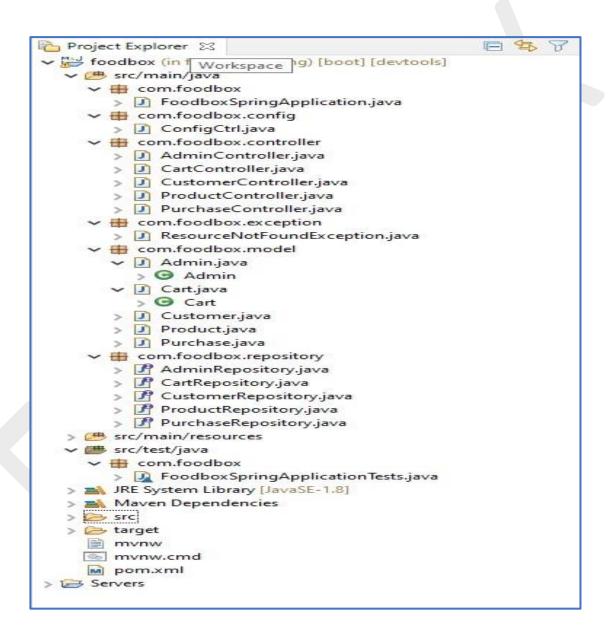




#### 1. Folder Structure.

## (Back End Development)

**Spring Project Structure** 



#### pom.xml

```
M foodbox/pom.xml ⊠
    k?xml version="1.0" encoding="UTF-8"?>
 20 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
        <modelVersion>4.0.0</modelVersion>
 50
        <parent>
 6
            <groupId>org.springframework.boot
            <artifactId>spring-boot-starter-parent</artifactId>
 8
            <version>2.5.5</version>
            <relativePath/> <!-- lookup parent from repository -->
 9
10
        </parent>
        <groupId>com</groupId>
11
12
        <artifactId>foodbox</artifactId>
13
        <version>0.0.1-SNAPSHOT</version>
        <name>Foodbox-Spring</name>
14
        <description>Capstone project for simplilearn</description>
15
        cproperties>
160
            <java.version>1.8</java.version>
17
18
        </properties>
190
        <dependencies>
200
            <dependency>
21
                <groupId>org.springframework.boot
22
                <artifactId>spring-boot-starter-data-jpa</artifactId>
23
            </dependency>
240
            <dependency>
                <groupId>org.springframework.boot
25
                <artifactId>spring-boot-starter-web</artifactId>
26
27
            </dependency>
28
29⊖
            <dependency>
30
                <groupId>org.springframework.boot</groupId>
31
                <artifactId>spring-boot-devtools</artifactId>
32
                <scope>runtime</scope>
33
                <optional>true</optional>
34
            </dependency>
35⊕
            <dependency>
36
                <groupId>mysql</groupId>
37
                <artifactId>mysql-connector-java</artifactId>
                <scope>runtime</scope>
38
            </dependency>
39
409
            <dependency>
41
                <groupId>org.springframework.boot
42
                <artifactId>spring-boot-starter-test</artifactId>
43
                <scope>test</scope>
44
            </dependency>
45
        </dependencies>
46
470
        <build>
48⊖
            <plugins>
490
                <plugin>
                    <groupId>org.springframework.boot</groupId>
50
51
                    <artifactId>spring-boot-maven-plugin</artifactId>
52
                </plugin>
53
            </plugins>
        </build>
54
55
56 </project>
```

#### FoodSpringApplication.Java

```
package com.foodbox;

import org.springframework.boot.SpringApplication;
@SpringBootApplication
public class FoodboxSpringApplication {

public static void main(String[] args) {
    SpringApplication.run(FoodboxSpringApplication.class, args);
}

}
```

#### FoodboxSpringApplicationTests.Java

```
package com.foodbox;
import org.junit.jupiter.api.Test;
@SpringBootTest
class FoodboxSpringApplicationTests {
     @Test
     void contextLoads() {
     }
}
```

Rest of the files are present in the given GitHub link kindly refer this...

https://github.com/ramani04/simplilern/tree/main/PHASE%206/FoodBox

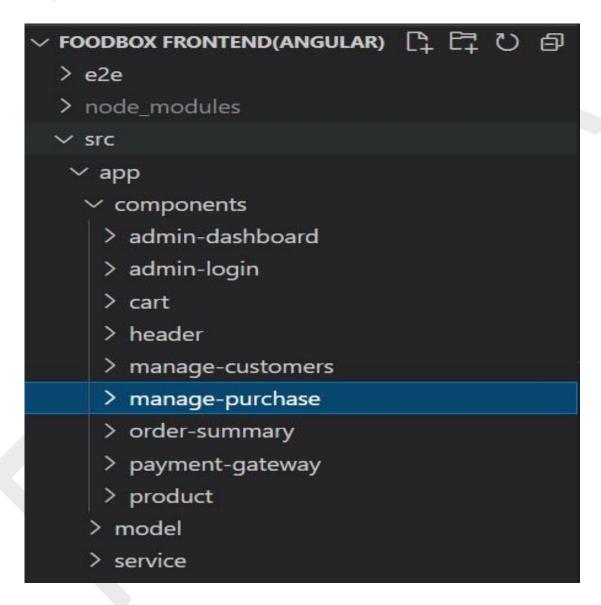
#### Spring Output:

```
[INFO] Scanning for projects...
 [INFO]
[INFO] Building Foodbox-Spring 0.0.1-SNAPSHOT
[INFO] ------[ jar ]-----
[INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ foodbox ---
[INFO] Deleting C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\target
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:resources (default-resources) @ foodbox ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] Copying 1 resource
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ foodbox ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 18 source files to C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\target\classes
[INFO]
[INFO] --- maven-resources-plugin:3.2.0:testResources (default-testResources) @ foodbox ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Using 'UTF-8' encoding to copy filtered properties files.
[INFO] skip non existing resourceDirectory C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\src\test\resources
[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ foodbox ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\target\test-classes
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ foodbox ---
 [INFO]
 [INFO] -----
[INFO] TESTS
[INFO] -----
[INFO] Running com.foodbox.FoodboxSpringApplicationTests
23:15:30.482 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating CacheAwareContextLoaderDelegate from class [org.springframework.test.context.cache.De
23:15:30.555 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating BootstrapContext using constructor [public org.springframework.test.context.support.D
23:15:30.741 [main] DEBUG org.springframework.test.context.BootstrapUtils - Instantiating TestContextBootstrapper for test class [com.foodbox.FoodboxSpringApplicationTests] fr
23:15:30.797 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Neither @ContextConfiguration nor @ContextHierarchy found for test class [co
23:15:30.814 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource location for test class [com.foodbox.FoodboxSpringAp
23:15:30.820 [main] DEBUG org.springframework.test.context.support.AbstractContextLoader - Did not detect default resource location for test class [com.foodbox.FoodboxSpringAp
23:15:30.821 [main] INFO org.springframework.test.context.support.AbstractContextLoader - Could not detect default resource locations for test class [com.foodbox.FoodboxSpring
23:15:30.825 [main] INFO org.springframework.test.context.support.AnnotationConfigContextLoaderUtils - Could not detect default configuration classes for test class [com.foodb
23:15:31.167 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'annotation declaring class' for annotation type [org.springframewor
|23:15:31.606 [main] DEBUG org.springframework.context.annotation.ClassPathScanningCandidateComponentProvider - Identified candidate component class: file [C:\Users\Lenovo\Down
23:15:31.612 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Found @SpringBootConfiguration com.foodbox.FoodboxSpringApplication for test
23:15:32.175 [main] DEBUG org.springframework.boot.test.context.SpringBootTestContextBootstrapper - @TestExecutionListeners is not present for class [com.foodbox.FoodboxSpring
23:15:32.177 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Loaded default TestExecutionListener class names from location [META-INF/spr
23:15:32.260 [main] INFO org.springframework.boot.test.context.SpringBootTestContextBootstrapper - Using TestExecutionListeners: [org.springframework.test.context.web.ServletT
23:15:32.287 [main] DEBUG org.springframework.test.context.support.AbstractDirtiesContextTestExecutionListener - Before test class: context [DefaultTestContext@47a5b70d testCl
23:15:32.496 [main] DEBUG org.springframework.test.context.support.TestPropertySourceUtils - Adding inlined properties to environment: {spring.jmx.enabled=false, org.springframe.
 -----|_|-----|__/-/_/-/
 :: Spring Boot ::
                                (v2.5.5)
```

```
:: Spring Boot ::
                                (v2.5.5)
                                                main] c.foodbox.FoodboxSpringApplicationTests : Starting FoodboxSpringApplicationTests using Java 15.0.2 on LAPTOP-HijD0WS8 with PID 492 (started by Lenovo in C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\f
022-02-25 23:15:34.137 INFO 492 --- [
022-02-25 23:15:34.150 INFO 492 --- [
                                                main] c.foodbox.FoodboxSpringApplicationTests : No active profile set, falling back to default profiles: default
022-02-25 23:15:38.269 INFO 492 --- [
                                                main] .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
022-02-25 23:15:38.683 INFO 492 --- [
                                                main] .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 370 ms. Found 5 JPA repository interfaces.
                                                main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
022-02-25 23:15:42.147 INFO 492 --- [
022-02-25 23:15:42.499 INFO 492 --- [
                                                main] org.hibernate.Version
                                                                                           : HHH000412: Hibernate ORM core version 5.4.32.Final
022-02-25 23:15:43.075 INFO 492 --- [
                                                main] o.hibernate.annotations.common.Version : HCANN000001; Hibernate Commons Annotations {5.1.2.Final}
022-02-25 23:15:44.046 INFO 492 --- [
                                                main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
022-02-25 23:15:47.417 INFO 492 --- [
                                                main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
                                            main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.MySQUSInnoD8Dialect
main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
022-02-25 23:15:47.705 INFO 492 --- [
022-02-25 23:15:54.739 INFO 492 --- [
022-02-25 23:15:54.791 INFO 492 --- [
                                                main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
022-02-25 23:16:05.421 WARN 492 --- [
                                                main] DpaBaseConfiguration$JpakebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to
022-02-25 23:16:10.132 INFO 492 --- [
                                                main] c.foodbox.FoodboxSpringApplicationTests : Started FoodboxSpringApplicationTests in 37.605 seconds (JVM running for 43.224)
INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 41.353 s - in com.foodbox.FoodboxSpringApplicationTests
022-02-25 23:16:11.514 INFO 492 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for persistence unit 'default'
022-02-25 23:16:11.535 INFO 492 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
022-02-25 23:16:11.643 INFO 492 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.
INFO] Results:
INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
INFO
      --- maven-jar-plugin:3.2.0:jar (default-jar) @ foodbox ---
INFO] Building jar: C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\target\foodbox-0.0.1-SNAPSHOT.jar
INFO] --- spring-boot-maven-plugin:2.5.5:repackage (repackage) @ foodbox ---
INFO] Replacing main artifact with repackaged archive
INFO]
INFO] --- maven-install-plugin:2.5.2:install (default-install) @ foodbox ---
INFO] Installing C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-9.0.1-SIMPSHOT.jar to C:\Users\Lenovo\.m2\repository\com\foodbox\0.0.1-SIMPSHOT\foodbox-0.0.1-SIMPSHOT.jar
IMFO] Installing C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\pom.xml to C:\Users\Lenovo\.m2\repository\com\foodbox\0.0.1-SNAPSHOT\foodbox-0.0.1-SNAPSHOT.pom
INFO1 -----
INFO] BUILD SUCCESS
INFO] -----
INFO] Total time: 01:34 min
INFO] Finished at: 2022-02-25T23:16:30+05:30
INFO] -----
```

## (Front End Development)

#### Angular Project Structure:



- TS app.component.ts
- TS app.module.ts
- > assets
- > environments
- custom-theme.scss
- favicon.ico
- index.html
- TS main.ts
- TS polyfills.ts
- # styles.css
- TS test.ts
- .editorconfig
- gitignore
- {} angular.json
- K karma.conf.js
- {} package-lock.json
- {} package.json
- README.md
- tsconfig.app.json
- stsconfig.json
- {} tsconfig.spec.json
- {} tslint.json

## 2. Project Files.

#### Index.html

```
index.html • order-summary.component.html
                                               (i) README.md
src > ⇔ index.html > ⇔ html > ⇔ head > ⇔ link
      <!doctype html>
      <html lang="en">
        <meta charset="utf-8">
        <title>Foodbox-most trusted</title>
        <base href="/">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="icon" type="image/x-icon" href="favicon.ico">
        <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/css/bootstrap.min.css"</pre>
          integrity="sha384-B0vP5xmATw1+K9KRQjQERJvTumQW0nPEzvF6L/Z6nronJ3oU0FUFpCjEUQouq2+1" crossorigin="anonymous">
        <script src="https://kit.fontawesome.com/3fe90d9367.js" crossorigin="anonymous"></script>
        <link rel="preconnect" href="https://fonts.googleapis.com">
        link rel="preconnect" href="https://fonts.gstatic.com" crossorigin
        <link href="https://fonts.googleapis.com/css2?family=WindSong&display=swap" rel="stylesheet">
        <link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500&display=swap" rel="stylesheet">
        <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
      <body class="mat-typography">
        <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"</pre>
          integrity="sha384-DfXdz2htPH01sSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrcXaRkfj"
          crossorigin="anonymous"></script>
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.bundle.min.js"</pre>
          integrity="sha384-Piv4xVNRyMGpqkS2by6br4gNJ7DXjqk09RmUpJ8jgGtD7zP9yug3goQfGII0yAns"
          crossorigin="anonymous"></script>
          <section class="section py-5 bg-white">
            <div class="container">
              <div class="row">
                <div class="col-sm-6 col-md-4 mb-2">
                   <div class="text-center features-card">
                    <i data-feather="truck" class="text-info"></i></i>
                    <marquee width="100%" direction="up"scrollamount="3" height="100px"><h2><i>Free & Fast Shipping</i></h2></h2>
                     Our Super fast delivery partner make sure you get fastest and free doorstep delivery.
                     </marquee>
```

```
| sa href="javascript:void(a)" class="list-group-item list-group-item-action">belivery</a>
| sa href="javascript:void(a)" class="list-group-item list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascript:void(a)" class="list-group-item-action">https://div.aca.href="javascrip
```

#### test.ts:

```
src > TS test.ts > ...
       // This file is required by karma.conf.js and loads recursively
  2
       import 'zone.js/dist/zone-testing';
       import { getTestBed } from '@angular/core/testing';
       import {
         BrowserDynamicTestingModule,
         platformBrowserDynamicTesting
       } from '@angular/platform-browser-dynamic/testing';
       declare const require: {
 10
         context(path: string, deep?: boolean, filter?: RegExp): {
 11
           keys(): string[];
 12
           <T>(id: string): T;
 13
 14
        };
 15
       };
 16
       // First, initialize the Angular testing environment.
 17
       getTestBed().initTestEnvironment(
 18
         BrowserDynamicTestingModule,
 19
         platformBrowserDynamicTesting()
 20
 21
       );
       // Then we find all the tests.
 22
       const context = require.context('./', true, /\.spec\.ts$/);
 23
       // And load the modules.
 24
       context.keys().map(context);
 25
 26
```

Rest of the files are present in the given GitHub link kindly refer this...

https://github.com/ramani04/simplilern/tree/main/PHASE%206/FoodBox

#### Package.json:

```
package.json > ...
            "name": "foodbox-angular",
            "version": "0.0.0",
             scripts": {
               cripts": {
"ng": "ng",
"start": "ng serve",
"build": "ng build",
"test": "ng test",
"lint": "ng lant",
                "e2e": "ng e2e'
            },
"private": true,
             dependencies": {
                "@angular/animations": "~10.2.4",
"@angular/cdk": "^10.2.7",
               "@angular/common": "~10.2.4",
"@angular/compiler": "~10.2.4",
               "@angular/compiler": "~10.2.4",
"@angular/core": "~10.2.4",
"@angular/forms": "~10.2.4",
"@angular/material": "^10.2.7
               "@angular/material": "^10.2.7",
"@angular/platform-browser": "~10.2.4",
"@angular/platform-browser-dynamic": "~10.2.4",
"@angular/router": "~10.2.4",
"rxjs": "~6.6.0",
"tslib": "^2.0.0",
"zone.js": "~0.10.2"
            "@angular-devkit/build-angular": "~0.1002.1",
"@angular/cli": "~10.2.1",
"@angular/compiler-cli": "~10.2.4",
               "@types/jasmine": "~3.5.0",
"@types/jasminewd2": "~2.0.3",
```

},
"devDependencies": {
 "@angular-devkit/build-angular": "~0.1002.1",
 "@angular/cli": "~10.2.1",
 "@angular/compiler-cli": "~10.2.4",
 "@types/node": "^12.11.1",
 "@types/jasmine": "~3.5.0",
 "@types/jasminewd2": "~2.0.3",
 "codelyzer": "^6.0.0",
 "jasmine-core": "~3.6.0",
 "jasmine-spec-reporter": "~5.0.0",
 "karma": "~5.0.0",
 "karma-chome-launcher": "~3.1.0",
 "karma-jasmine": "~4.0.0",
 "karma-jasmine-html-reporter": "^1.5.0",
 "protractor": "~7.0.0",
 "ts-node": "~8.3.0",
 "tslint": "~6.1.0",
 "typescript": "~4.0.2"
}

#### **Angular Outputs:**

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS E:\Capstone Project(FoodBox)\FoodBox FrontEnd(Angular)> ng serve
Your global Angular CLI version (13.1.1) is greater than your local version (10.2.3). The local Angular CLI version is used.
To disable this warning use "ng config -g cli.warnings.versionMismatch false".
10% building 3/3 modules 0 active(node:10904) [DEP0111] DeprecationWarning: Access to process.binding('http_parser') is deprecated
 (Use `node --trace-deprecation ...` to show where the warning was created)
 (node:10904) [DEP0148] DeprecationWarning: Use of deprecated folder mapping "./" in the "exports" field module resolution of the particular modules to be a considered folder mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution of the particular mapping "./" in the "exports" field module resolution field module resolution field module resolution field module resolution field module resol
 Update this package json to use a subpath pattern like "./*".
chunk {main} main.js, main.js.map (main) 248 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) 413 kB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map (vendor) 3.96 MB [initial] [rendered]
Date: 2022-02-25T18:26:16.365Z - Hash: 710b31d48af36f661dae - Time: 68067ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.
```

THANK YOU.....