# A FULL STACK DEVELOPMENT CAPSTONE PROJECT



(Source Code)

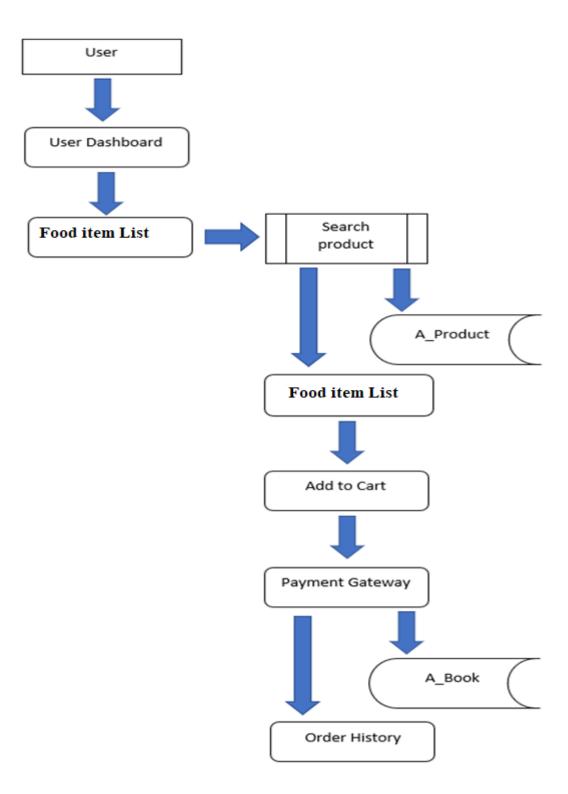
## Version History:

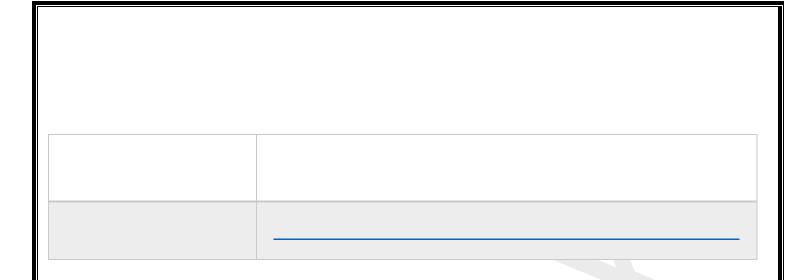
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2.	Purpose	Source Code.
3.	Date	22 February 2023
4.	Version	1.0
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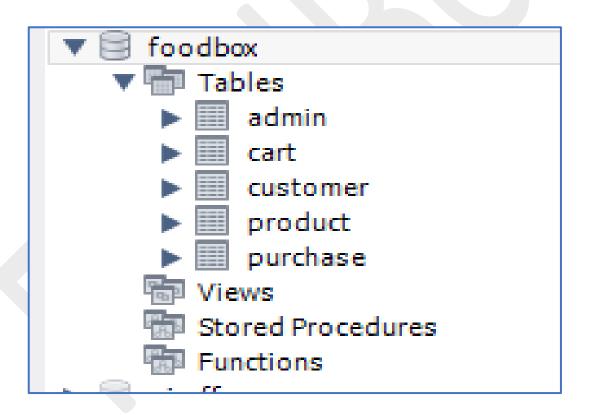
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# 1. User Flow Chart Diagram.

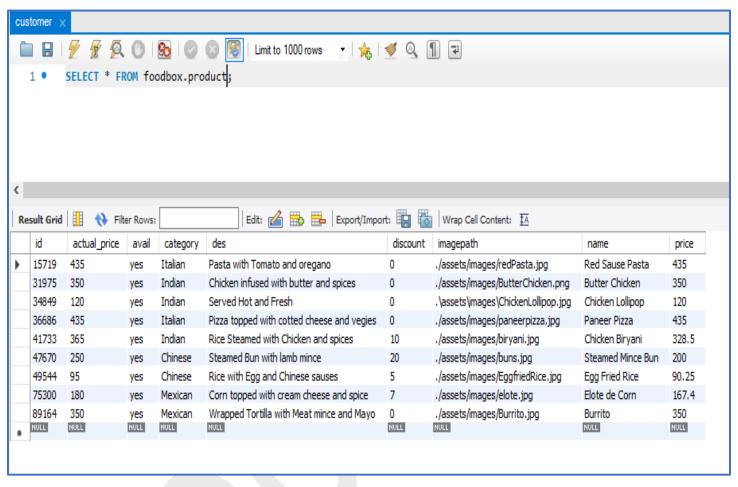


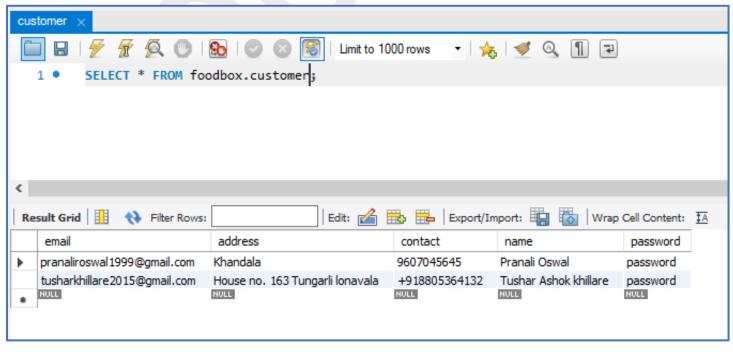


# 3. Database Design.



## Data Result Set:

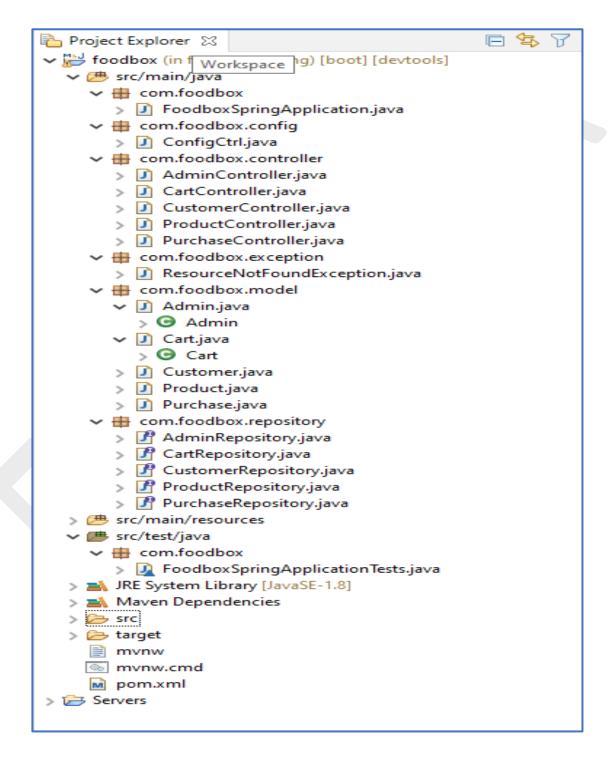




#### 4. Folder Structure.

## (Back End Development)

### **Spring Project Structure**



#### Pom.xml

```
1 k?xml version="1.0" encoding="UTF-8"?>
 2⊖ <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">
 4
        <modelVersion>4.0.0</modelVersion>
        <parent>
            <groupId>org.springframework.boot</groupId>
 6
 7
            <artifactId>spring-boot-starter-parent</artifactId>
 8
            <version>2.5.5</version>
 9
            <relativePath/> <!-- lookup parent from repository -->
10
        </parent>
        <groupId>com</groupId>
11
12
        <artifactId>foodbox</artifactId>
13
        <version>0.0.1-SNAPSHOT</version>
14
        <name>Foodbox-Spring</name>
15
        <description>Capstone project for simplilearn</description>
16⊖
        cproperties>
17
            <java.version>1.8</java.version>
18
        </properties>
19⊝
        <dependencies>
            <dependency>
20⊝
21
                <groupId>org.springframework.boot</groupId>
22
                <artifactId>spring-boot-starter-data-jpa</artifactId>
23
            </dependency>
24⊕
            <dependency>
25
                 <groupId>org.springframework.boot</groupId>
26
                <artifactId>spring-boot-starter-web</artifactId>
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>
38
                <scope>runtime</scope>
            </dependency>
39
40⊝
            <dependency>
41
                 <groupId>org.springframework.boot</groupId>
42
                <artifactId>spring-boot-starter-test</artifactId>
43
                <scope>test</scope>
44
            </dependency>
45
        </dependencies>
46
        <build>
47⊝
48⊖
            <plugins>
49⊝
                <plugin>
50
                     <groupId>org.springframework.boot</groupId>
                     <artifactId>spring-boot-maven-plugin</artifactId>
51
52
                </plugin>
53
            </plugins>
        </build>
54
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

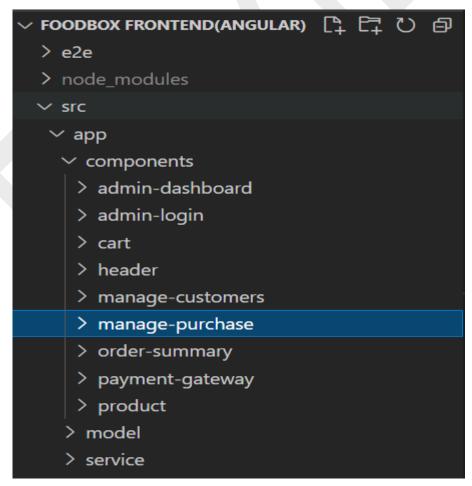
```
package com.foodbox;
import org.junit.jupiter.api.Test;
@SpringBootTest
class FoodboxSpringApplicationTests {
     @Test
     void contextLoads() {
     }
}
```

## **Spring Output:**

```
[INFO] Scanning for projects...
 [INFO]
 [INFO] ------
[INFO] Building Foodbox-Spring 0.0.1-SNAPSHOT
 [INFO] ------
 [INFO]
 [INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ foodbox ---
[INFO] Deleting C:\Users\Lenovo\Downloads\Foodbox-Capstone-master\foodbox-Spring\target
[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]
[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.foodbl
23:15:31.167 [main] DEBUG org.springframework.test.context.support.ActiveProfilesUtils - Could not find an 'annotation declaring class' for annotation type [org.springframework
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.springfra
     :: Spring Boot ::
```

## (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 tsconfig.json {} tsconfig.spec.json

# 5. Project Files.

{} tslint.json

## Index.html

```
index.html order-summary.component.html

    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">
14
        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-DfXdz2htPH0lsSSs5nCTpuj/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>
                       <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.
                         <a href="javascript:void(0)" class="list-group-item list-group-item-action">Delivery</a>
                         <a href="javascript:void(0)" class="list-group-item list-group-item-action">How to return</a>
<a href="javascript:void(0)" class="list-group-item list-group-item-action">Payment Method</a>
<a href="javascript:void(0)" class="list-group-item list-group-item-action">Payment Method</a>
                         <a href="javascript:void(0)" class="list-group-item list-group-item-action">Shipping Method</a>
                     <div class="col-6 col-lg-3 pl-3">
                       <h4 class="font-weight-bold">FoodBox App</h4>
                       <a href="javascript:void(0)" class="list-group-item list-group-item-action">FAQs</a>
<a href="javascript:void(0)" class="list-group-item list-group-item-action">Our Story</a>
<a href="javascript:void(0)" class="list-group-item list-group-item-action">Our Story</a></a>
                         <a href="javascript:void(0)" class="list-group-item list-group-item-action">Services</a>
                    <div class="col-sm-6 col-lg-3 pl-3">
     <h4 class="font-weight-bold">Contact us</h4>
                         <span class="list-group-item"><strong>Phone:</strong> +91 8805364132</span>
                         <span class="list-group-item"><strong>Email:/span class="list-group-item"><strong>Email:/span class="list-group-item"><strong>Mon-Fri:/strong> 9.00 am - 8.00 pm
                         <span class="list-group-item"><strong>Saturday:</strong> 10.00 am - 6.00 pm</span>
```

#### test.ts:

```
src > TS test.ts > ...
      // This file is required by karma.conf.js and loads recursively
  1
      import 'zone.js/dist/zone-testing';
      import { getTestBed } from '@angular/core/testing';
       import {
         BrowserDynamicTestingModule,
         platformBrowserDynamicTesting
       } from '@angular/platform-browser-dynamic/testing';
 10
       declare const require: {
         context(path: string, deep?: boolean, filter?: RegExp): {
 11
           keys(): string[];
 12
           <T>(id: string): T;
 13
 14
        };
       };
 15
      // First, initialize the Angular testing environment.
 17
      getTestBed().initTestEnvironment(
 18
         BrowserDynamicTestingModule,
 19
 20
         platformBrowserDynamicTesting()
 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
```

### Package.json:

```
package.json > ...
      "name": "foodbox-angular",
      "version": "0.0.0",
      "scripts": {
        "ng": "ng",
        "start": "ng serve",
        "build": "ng build",
        "test": "ng test",
        "lint": "ng lint",
        "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/core": "~10.2.4",
        "@angular/forms": "~10.2.4",
        "@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"
      "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"
```

```
"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-chrome-launcher": "~3.1.0",
 "karma-coverage-istanbul-reporter": "~3.0.2",
  "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 pa
\node_modules\tslib\package.json.
 Jpdate 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	
	, -