



Phase 4 Frontend Project

Nia Kelley Jester

October 2022

Instructor: Sonam Soni



# Project Overview

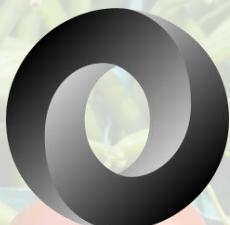
- **Kitchen Story** is an e-commerce portal that lets people shop for basic food items on their website using Angular. It enables users to search and buy the available products. You are not required to connect to a backend (i.e. Spring Boot). You can use JSON data or hard coded arrays for the application.
- Required Technical Components



IDE: Visual  
Studio Code



Programming  
Language: Angular



JSON



HTML



CSS



Bootstrap

- Optional Technical Components





# Core Concepts Demonstrated

(page 1:2)

- **Angular Framework**

- Demonstrate component-based architecture to build responsive single page application
- Interpolation & Dependency Injection
- Implemented Angular Directives
  - Component
  - Structural (ngIf, ngFor)
  - Attribute (ngClass)
- Implemented various types of binding
  - Property Binding
  - Class Binding
  - Style Binding
  - Binding to User Input Events
  - Two-Way Binding (forms)
- Built-in and Custom Pipes
- Defined services to implement business logic
- Implement the Angular routing mechanism
- Responsive Forms for User input and validation

# Core Concepts Demonstrated

(page 2:2)



- Implement **Node Package Manager (NPM)** via Node.js
- **Bootstrap**
  - Utilized bootstrap design templates for some interface components
- **HTML**
  - Used to create content for webpages
- **CSS**
  - Used to format and style webpages (still working on developing these skills)
- **JSON Data**
  - Hardcoded JSON data for each product, tag, and User in the Kitchen Story application

# User Roles

## User/Customer that provides the following features:

- A search form on the home page to allow entry of the food items to be purchased by the customer.
- Based on the item details entered, it will show the available food items with their respective prices.
- Once a person selects an item to purchase, they will be redirected to the list of available items.
- On the next page, they are shown the complete breakout of the order and details of the payment to be made in the payment gateway.
  - ✓ Checkout Button
  - ✓ Products Number Shown
  - ✓ Cart items shown
  - ✓ When payment is made, they are shown a confirmation page with details of the order

## User/Customer functionality not implemented for this release (ran out of time):

- Fully functional login feature
- Logout Feature

## Admin User with the following features:

- Add a new product to the master list of all the food items available for purchase
- A functionality remove a product from the master list of items

## Admin functionality not implemented for this release (ran out of time):

- Admin change password page where the admin can change the password after login
- Login/Logout Feature

# Project Management

Project Overview		
	Client	Simplilearn
	Consultant	Nia Kelley Jester Full Stack Java Developer
	Application Name	Kitchen Story
	Application Phase	Prototype
	Phase 4 Project Deliverable	E-commerce portal that let's people shop for basic food items on the Kitchen Story website.
Planning Project Management		
	Project Duration	4 Weeks (20 working days)
	Number of Sprints	4
	Planned Start Date	Monday, September 5, 2022
	Planned Finish Date	Friday, September 30, 2022
	Planned Sprint Duration	1 Week (5 working days)
	Total Number of Product Backlog Items	35
	Product Documentation	Monday, Oct 3, 2022 – Friday, Oct 7, 2022

# Sprint 1: User Stories/Product Backlog

Product Backlog ID		Role	Scenario	Backlog Item (User Story)	Story Points	Assigned Sprint
	1.1.1	Customer/Admin	Home Page	The Kitchen Story Logo will serve as the home page link on the navigation bar.	Small	1
	1.1.2	Customer/Admin	Home Page	The Home Page will display all of the items in the Kitchen Story available for purchase	Small	1
1.2		Customer	Register as new user	The Customer can register as a new user using a registration form	Medium	1
1.5		Customer	Proceed without logging in	The customer can proceed as a guest without logging in to the application	Small	1
	3.1.1	Customer	Individual Product Page	Each individual product page will show the product price	Medium	1
	3.1.2	Customer	Individual Product Page	Each individual product page will have a button to add the product to the shopping cart	Small	1
	3.1.3	Customer	Individual Product Page	Each individual product page will have a button to continue shopping by taking the Customer back to the home page	Small	1
	4.1.1	Customer	Product Tags	Each product can have a tag/category (hard-coded for this release)	Small	1

# Sprint 2: User Stories/Product Backlog

Product Backlog ID	Role	Scenario	Backlog Item (User Story)	Story Points	Assigned Sprint	
1.3	Customer	Customer Login	The customer can login to the Kitchen Story application using a 'login' link (hard coded for a specific user for this version of the application)	Medium	2	
	2.1.1	Customer	Search Form	A search form on the home page to allow entry of the food items to be purchased by the customer.	Medium	2
	2.1.2	Customer	Search Form	The search form will uncover any product matches. The customer has the option to go to the individual product page.	Small	2
	2.1.3	Customer	Search Form	If the search does not find any matches, the Customer will be notified by a appropriate message.	Medium	2
	5.1.1	Customer	Shopping Cart page	The shopping cart page will have the ability to change the quantity of each individual product	Small	2
	5.1.2	Customer	Shopping Cart page	The shopping cart page will have the reflect the total price of cart	Small	2
	5.1.4	Customer	Shopping Cart page	The shopping cart page will have the ability to remove an item from the cart	Medium	2
	5.1.5	Customer	Shopping Cart page	Each shopping cart page will have a button to proceed to the checkout page	Small	2
	5.1.6	Customer	Shopping Cart page	Each shopping cart page will have a button to continue shopping by taking the Customer back to the home page	Small	2

# Sprint 3: User Stories/Product Backlog

Product Backlog ID	Role	Scenario	Backlog Item (User Story)	Story Points	Assigned Sprint
4.1.2	Customer	Tags Feature from the Home Page	The home page will have all of the tags/category and show the total number of products that are in that category	Medium	3
4.1.3	Customer	Tags Feature from the Individual Product Page	Each product page will have a tags/category button. When pressed, it will filter the product list for the products that belong in the category.	Medium	3
5.1.3	Customer	Shopping Cart page	The shopping cart page will have the reflect the total number of items in the cart	Medium	3
6.1.1	Customer	Order Details	Customer is shown a order details page, that includes the item count, order total, ordered items, and a button to proceed to payment.	Medium	3
6.1.2	Customer	Order Details	Customer can not update item quantity from the order details page.	Small	3
6.1.3	Customer	Order Details	The products shown in the order details page are not hyperlinked to the individual product pages.	Small	3

# Sprint 4: User Stories/Product Backlog

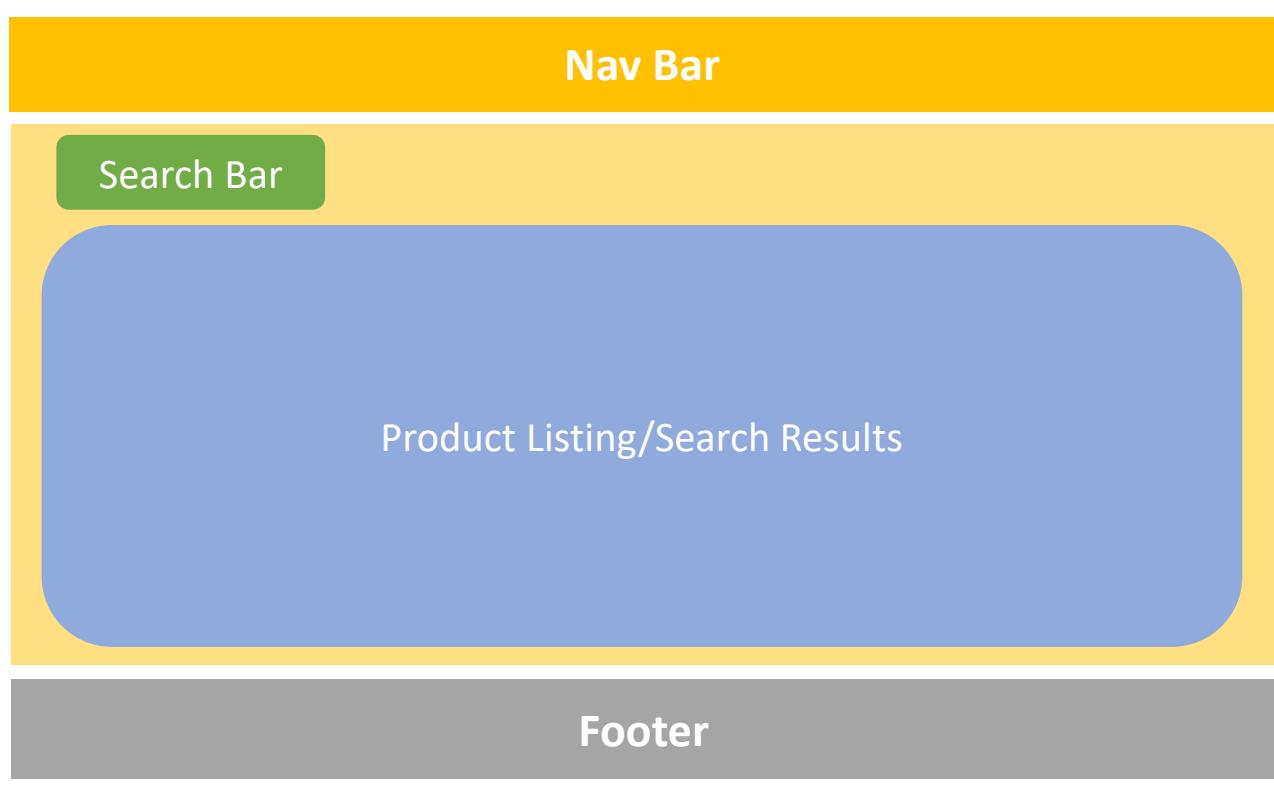
Product Backlog ID	Role	Scenario	Backlog Item (User Story)	Story Points	Assigned Sprint
7.1.1	Customer	Payment	Once the order is paid for, the Customer will receive a message in the application stating that the order is confirmed and payment has been processed.	Small	4
	Customer	Payment	Once payment has been processed, the Cart is cleared	Small	4
8.3.1	Admin	Add new product	A add a new product to the master list of all the food items available for purchase	Medium	4
	Admin	Delete product	A functionality remove a product from the master list of items	Medium	4

# Ran Out of Time: User Stories/Product Backlog

Product Backlog ID		Role	Scenario	Backlog Item (User Story)	Story Points	Assigned Sprint
	1.3.1	Customer	Customer Login	Once a Customer is logged in, the "Login" navbar should no longer be visible	Medium	5
1.4		Customer	Customer Logout	User can logout of the application	Small	5
	1.4.1	Customer	Customer Login	Once a Customer is logged in, a "Logout" link should be visible on the navbar	Medium	5
	8.1.1	Admin	Admin Login	Admin can login to the application	Medium	5
	8.1.2	Admin	Admin Logout	Admin can logout of the application	Medium	5
	8.2.1	Admin	Admin Menu	The Admin menu lists services that an Admin User can perform	Medium	5
	8.2.2	Admin	Admin Menu	The Admin menu is not visible unless an Admin User is logged in	Medium	5
	8.3.3	Admin	Change Password	Admin change password page where the admin can change the password after login	Medium	5



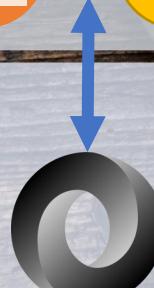
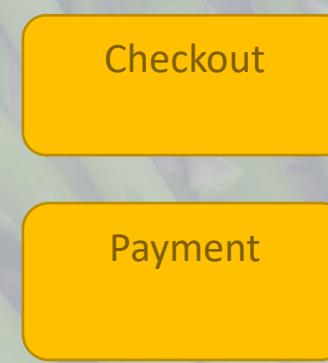
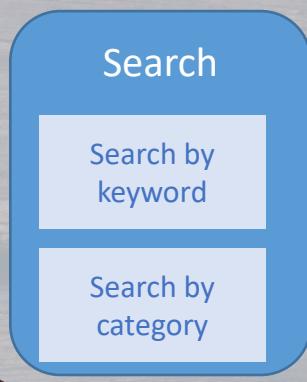
# High Level App Design: Kitchen Story



# High Level Program Flow



## Single Page Application *Frontend*





Kitchen Story App Logos



App Color  
Palette

## Palette

F8AD9D

FBC4AB

FFDAB9

DB5461

F87666

- <https://coolors.co/palette/f8ad9d-fbc4ab-ffdab9-db5461-f87666>



# Kitchen Story Code

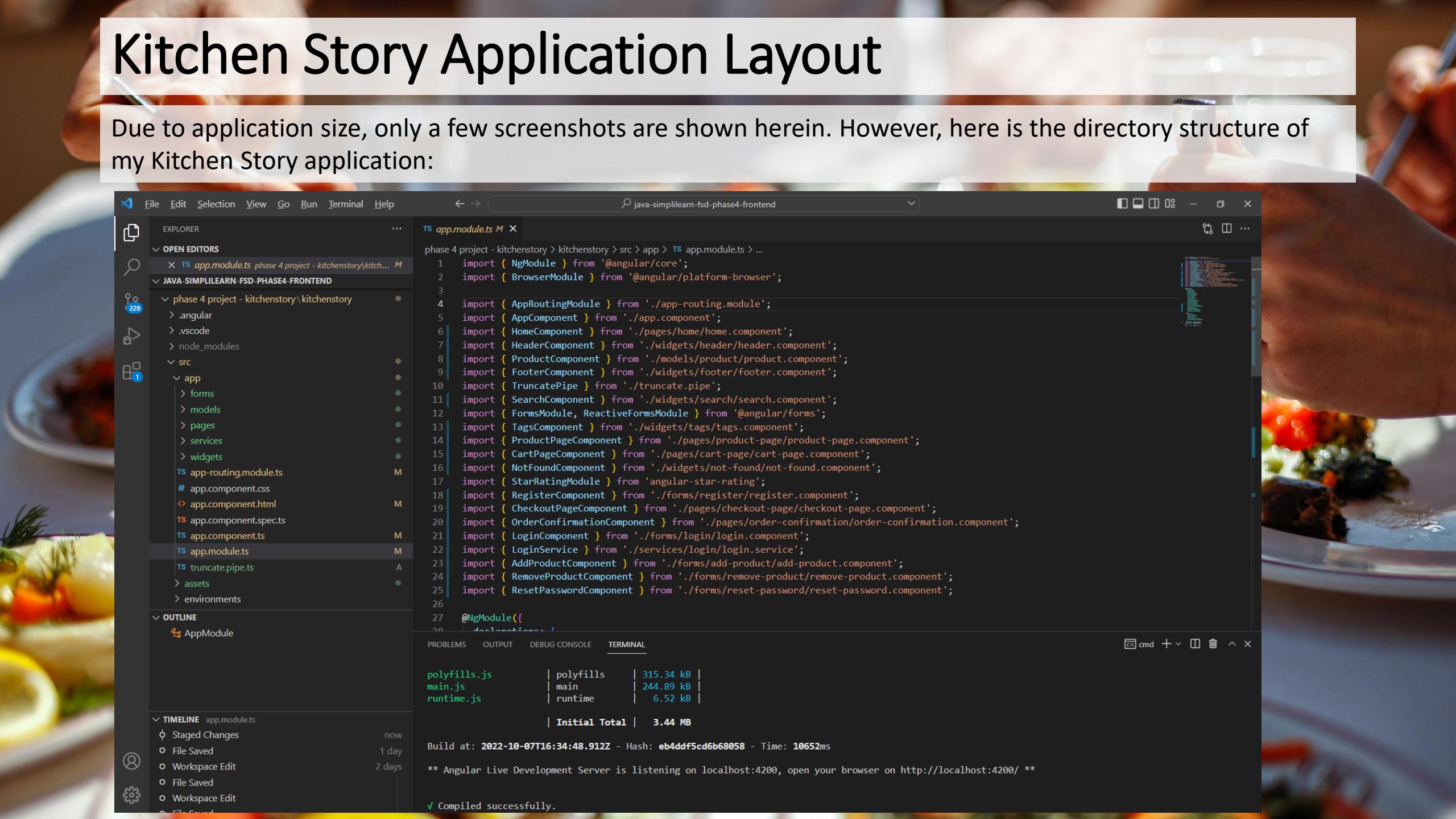
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# Git Repository

All code for this project can be found at the following link:  
<https://github.com/niakelleyjester/simplilearn-projects>

# Kitchen Story Application Layout

Due to application size, only a few screenshots are shown herein. However, here is the directory structure of my Kitchen Story application:

A blurred background image of a person's hands and arms as they cook in a kitchen, with various ingredients and utensils visible.

A screenshot of the Visual Studio Code (VS Code) interface showing the directory structure and code editor for a Kitchen Story application.

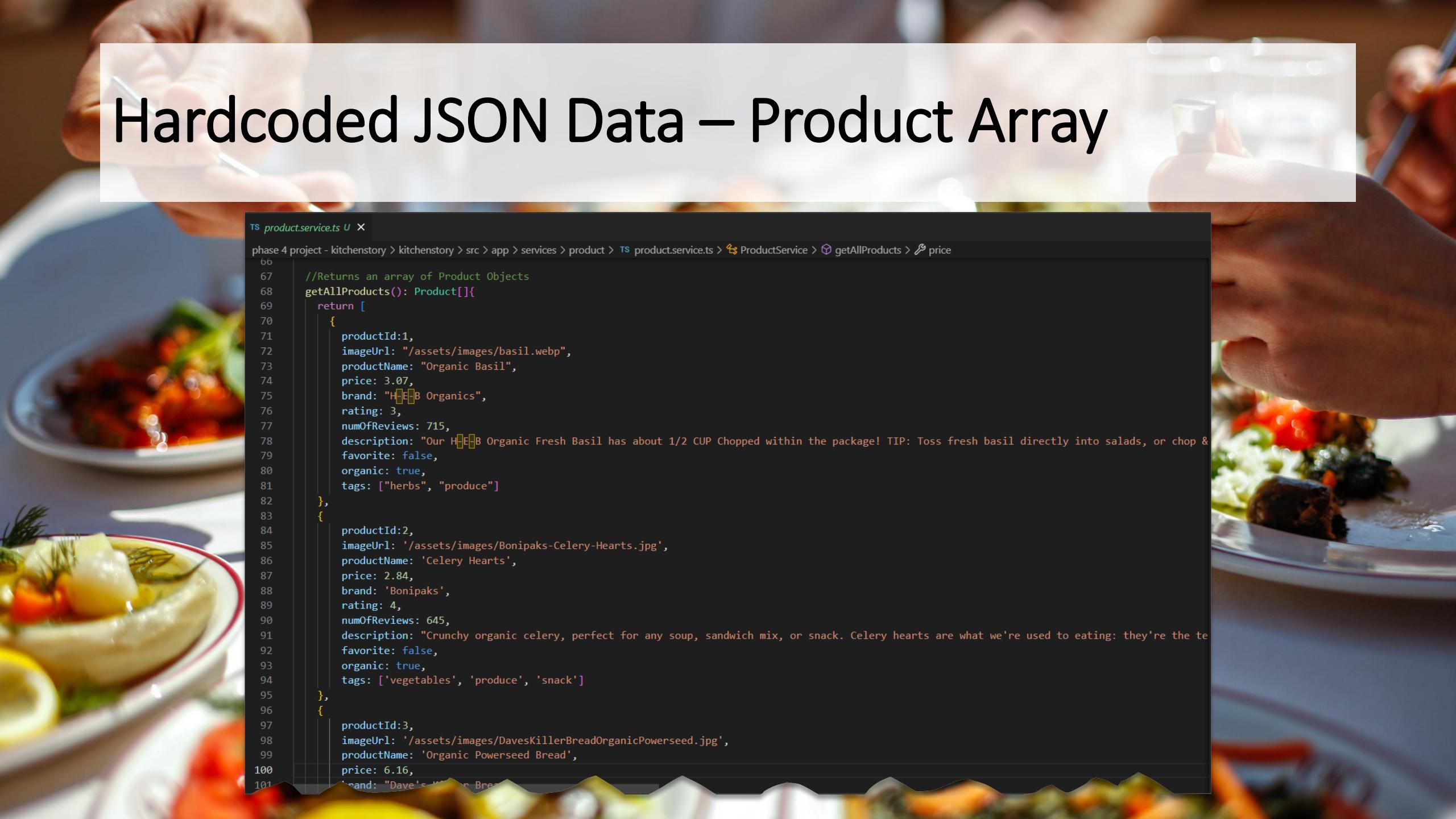
**EXPLORER** (Left sidebar):

- OPEN EDITORS:
  - app.module.ts (phase 4 project - kitchenstory)
- JAVA-SIMPLILEARN-FSD-PHASE4-FRONTEND:
  - phase 4 project - kitchenstory\kitchenstory
    - .angular
    - .vscode
    - node\_modules
    - src
      - app
        - forms
        - models
        - pages
        - services
        - widgets
      - app-routing.module.ts
      - # app.component.css
      - app.component.html
      - app.component.specs.ts
      - app.component.ts
      - app.module.ts
      - truncate.pipe.ts
      - assets
      - environments
  - OUTLINE:
    - AppModule
  - TIMELINE: app.module.ts
    - Staged Changes (now)
    - File Saved (1 day)
    - Workspace Edit (2 days)
    - File Saved
    - Workspace Edit
    - File Saved

# Product Interface

```
ts product.ts ✘ ×  
phase 4 project - kitchenstory > kitchenstory > src > app > models > ts product.ts > • Product > ⚡ brand  
1 //Define an interface to represent a product  
2 //An interface is a simple class that contains properties  
3 //The Product Interface will enforce the structure of the Product object  
4 export default interface Product{  
5   productId: number;  
6   imageUrl: string;  
7   productName: string;  
8   price: number;  
9   brand: string;  
10  rating: number;  
11  numOfReviews: number;  
12  description: string;  
13  favorite:boolean;  
14  organic:boolean;  
15  tags:string[];  
16 }
```

# Hardcoded JSON Data – Product Array



```
ts product.service.ts U X
phase 4 project - kitchenstory > kitchenstory > src > app > services > product > ts product.service.ts > ProductService > getAllProducts > price
66
67     //Returns an array of Product Objects
68     getAllProducts(): Product[] {
69         return [
70             {
71                 productId: 1,
72                 imageUrl: "/assets/images/basil.webp",
73                 productName: "Organic Basil",
74                 price: 3.07,
75                 brand: "H-E-B Organics",
76                 rating: 3,
77                 numOfReviews: 715,
78                 description: "Our H-E-B Organic Fresh Basil has about 1/2 CUP Chopped within the package! TIP: Toss fresh basil directly into salads, or chop &
79                 favorite: false,
80                 organic: true,
81                 tags: ["herbs", "produce"]
82             },
83             {
84                 productId: 2,
85                 imageUrl: '/assets/images/Bonipaks-Celery-Hearts.jpg',
86                 productName: 'Celery Hearts',
87                 price: 2.84,
88                 brand: 'Bonipaks',
89                 rating: 4,
90                 numOfReviews: 645,
91                 description: "Crunchy organic celery, perfect for any soup, sandwich mix, or snack. Celery hearts are what we're used to eating: they're the te
92                 favorite: false,
93                 organic: true,
94                 tags: ['vegetables', 'produce', 'snack']
95             },
96             {
97                 productId: 3,
98                 imageUrl: '/assets/images/DavesKillerBreadOrganicPowerseed.jpg',
99                 productName: 'Organic Powerseed Bread',
100                price: 6.16,
101                brand: "Dave's Killer Bread"
102            }
103        ]
104    }
105}
```

# Hardcoded JSON Data – Users Array

```
kitchenstory > src > app > services > user > TS user.service.ts > UserService
41  /* **** */
42  * Method Name: setUsers()
43  * Access Type: public
44  * Input Parameters: none
45  * Return Type: User[] array
46  * Purpose: Set the dummy list of users
47  * **** */
48  setUsers():User[]{
49    return [
50      {
51        userId:1,
52        name:"Nia Jester",
53        username:"niakelley",
54        password:"admin123",
55        address:{
56          streetNumber:123,
57          streetName: "Predule Way",
58          suite:"",
59          city:"Dallas",
60          state: "Texas",
61          country: "USA",
62          zipcode:"31932"},
63          email: "iamtheadmin@home.com",
64          isAdmin: true
65      },
66      {
67        userId:2,
68        name:"Leanne Graham",
69        username:"Bret",
70        password:"abc123",
71        address:{
```

# Application Screenshots

Kitchen Story



# Landing Page

The screenshot shows a web browser window titled "Phase 4 Project: Kitchen Story" at the URL "localhost:4200". The browser interface includes standard navigation buttons (back, forward, search, etc.) and a tab bar with various links.

The main content area features a dark background image of various fruits and vegetables, including a whole yellow squash, a loaf of bread, and some green leaves.

**Welcome:** We now offer online shopping for basic food staples on our website. Please enjoy!

**Registration Form:**

- First Name
- Last Name
- Email
- Password

Admin User

**Buttons:** Register as New User, Proceed as Guest

**Page Footer:** © Nia Kelley Jester 2022

# Register Form with Validation

Phase 4 Project: Kitchen Story

localhost:4200

Kitchen Story

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

Registration Form

First Name  First Name cannot be Empty

Last Name  Last Name cannot be Empty

Email  Email cannot be Empty

Password  Password cannot be Empty

Admin User

Register as New User

Proceed as Guest

© Nia Kelley Jester 2022

# Registration Form

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story" and the URL "localhost:4200". The page features a header with the "Kitchen Story" logo and navigation links for "Login", "Cart", and "Admin Login". The main content area has a background image of various fruits and vegetables. On the left, there's a "Welcome" message: "We now offer online shopping for basic food staples on our website. Please enjoy!". On the right, there's a "Registration Form" section with fields for "First Name" (Lucy), "Last Name" (Chen), "Email" (lucy@home.com), and "Password" (represented by four dots). There's also a radio button for "Admin User" which is unselected. At the bottom of the form are two buttons: "Register as New User" (which is circled in red) and "Proceed as Guest". The footer contains the copyright notice "© Nia Kelley Jester 2022".

Phase 4 Project: Kitchen Story

localhost:4200

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Kitchen Story

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

Registration Form

First Name

Lucy

Last Name

Chen

Email

lucy@home.com

Password

.....

Admin User

Register as New User

Proceed as Guest

© Nia Kelley Jester 2022

# Registration Form

Phase 4 Project: Kitchen Story

localhost:4200

FirstService Residen... Apparel Technical... Cage Skirt by Annie...

Dimensions: Responsive ▾ 1210

Kitchen Story

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

Registration Form

First Name: Lucy

Last Name: Chen

Email: lucy@home.com

Password: \*\*\*\*\*

Admin User:

Register as New User Proceed as Guest

localhost:4200 says  
Form submitted for approval...

OK

© Nia Kelley Jester 2022

```
ts register.component.ts X
kitchenstory > src > app > forms > register > TS register.component.ts > ...
35 }
36
37 //method to get all of the form controls
38 get form(){
39   return this.registerForm.controls;
40 }
41
42 onSubmit(){
43   this.submitted = true;
44   if(this.registerForm.invalid)
45     return; //don't allow the user to submit the form
46   else{
47     alert("Form submitted for approval...")  
←
48     this.newUser.name = this.registerForm.get('firstName')?.value + " "
49     + this.registerForm.get('lastName')?.value;
50     this.newUser.userId = this.refineUserData(this.newUser);
51     this.userService.addUser(this.newUser);
52     this.isLoggedIn = true;
53     console.log(this.newUser);
54     this.userService.setUser(this.newUser);
55     this.router.navigate(['/home']);
56   }
57 }
58
59 refineUserData(u:User){
60   u.userId = this.userService.userCount;
61   return u.userId;
62 }
63
64 onChange($event:any){
65   return this.newUser.isAdmin ? false : true;
66 }
67
68 }
69 }
```

# Registration Form

The screenshot shows a web browser window with a purple header bar. The main content area displays a registration form for 'Kitchen Story'. The form includes fields for First Name (Lucy), Last Name (Chen), Email (lucy@home.com), and Password (abc123). A radio button for 'Admin User' is selected. Below the form are two buttons: 'Register as New User' and 'Proceed as Guest'. A modal dialog box is overlaid on the page, containing the text 'localhost:4200 says' and 'Form submitted for approval...'. An 'OK' button is at the bottom of the dialog, which is circled in red. A large red arrow points from this 'OK' button down to the developer tools console.

localhost:4200 says  
Form submitted for approval...

OK

Dimensions: Responsive ▾ 1210

FirstService Residen... Apparel Technical... Cage Skirt by Annie...

Blackboard Learn Log in to Virgin Pulse GreenLight Credential... How to Use Windo... I put together Cath...

1210 x 859 70% No throttling

Login Cart Admin Login

Kitchen Story

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

First Name Lucy

Last Name Chen

Email lucy@home.com

Password abc123

Admin User

Register as New User Proceed as Guest

© Nia Kelley Jester 2022

pantry(5) dressing(1) milk(3) non-dairy(2) plant-based(1) fruit(2) vegetarian(1) nuts(2) beverages(4) poultry(1) dairy(1) free-range(2) snack(8) dried goods(2) rice(1) cereal(1) seafood(1) eggs(1)

Search

webpack-dev-server] Live index.js:551 Reloading enabled.

[webpack-dev-server] App updated. index.js:551 Recompiling...

[webpack-dev-server] Nothing changed. index.js:551

register.component.ts:53

```
User {email: 'Lucy@home.com', password: 'abc123', isAdmin: undefined, name: 'Lucy Chen', userId: 12} 
  email: "lucy@home.com"
  isAdmin: undefined
  name: "Lucy Chen"
  password: "abc123"
  userId: 12
  [[Prototype]]: Object
```

Console What's New Issues

# Home Page (with 100% Zoom)

Phase 4 Project: Kitchen Story    X    +

localhost:4200/home

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Login Cart Admin Login

 Kitchen Story

Search Kitchen Story

Categories

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3) non-dairy(2) plant-based(2) fruit(2) vegetarian(1) nuts(2) bulk(1)  
salad greens(1) meat(2) frozen(1) water(1) beverages(4) poultry(1) dairy(1) free-range(2) snack(8) dried goods(2) rice(1) cereal(1) seafood(1) eggs(1)

Available Items



- 
- 
- 
- 

# Home Page (with 50% Zoom)

Phase 4 Project: Kitchen Story    X    +

localhost:4200/home

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Kitchen Story

Search Kitchen Story

Log in Cart Admin Login

Categories

Available Items

Organic Basil  
★★★★☆ (715)  
\$3.07

Celery Hearts  
★★★★☆ (645)  
\$2.84

Powerseed  
Dove's Killer Bread  
Organic Powerseed Bread  
★★★★☆ (165)  
\$4.16

California Olive Ranch  
Global Blend Mild Extra Virgin Olive Oil  
★★★★☆ (542)  
\$7.70

Thai Kitchen  
Organic Unsweetened Coconut Milk  
★★★★☆ (785)  
\$3.84

Fresh Cara Cara Oranges  
★★★★☆ (213)  
\$10.59

Burdidge Farms  
Jumbo Roasted Cashews, No Salt  
★★★★☆ (302)  
\$13.32

Fresh Organic Cilantro  
★★★★☆ (473)  
\$1.32

Fresh Seedless Cucumber  
★★★★☆ (794)  
\$1.01

Silk  
Duck Chocolate Almond Milk  
★★★★☆ (987)  
\$3.16

Fairlife  
Whole Lactose Free Milk  
★★★★☆ (754)  
\$4.10

H&B Organics  
Spring Mix  
★★★★☆ (842)  
\$1.58

Organic Gala Apples  
★★★★☆ (972)  
\$1.31

Greenburg  
Grass-fed Bacon Ribeye Steaks  
★★★★☆ (698)  
\$22.50

Deep India Kitchen  
Frozen Garlic Naan, 3 count  
★★★★☆ (630)  
\$6.49

Golden Star  
Brown Jasmine Rice  
★★★★☆ (714)  
\$3.69

Good & Gather  
Organic Baby Carrots  
★★★★☆ (452)  
\$2.02

Territorial Seed Company  
Costata Romanesco  
★★★★☆ (1500)  
\$5.33

Organic Harvest Farms  
Organic Texas Sweet Onions (3 pound bag)  
★★★★☆ (793)  
\$14.09

Hanson Organics  
Grade A Organic Cage Free Large Brown Eggs  
★★★★☆ (479)  
\$5.52

Wild Fork Foods  
Free Range Chicken Breasts  
★★★★☆ (827)  
\$9.36

O Organics  
Pasta Diced Tomatoes  
★★★★☆ (879)  
\$2.54

H&B Select  
Whole Natural Raw Almonds  
★★★★☆ (413)  
\$16.78

Arrowhead Mills  
Organic Red Lentils  
★★★★☆ (756)  
\$8.79

Topo Chico  
Mineral Water Twist of Lime (4 pack)  
★★★★☆ (264)  
\$5.39

Wholesome Pantry  
Unsalted Chicken Stock  
★★★★☆ (871)  
\$2.95

Wild Caught Extra Jumbo Sea Scallops  
★★★★☆ (748)  
\$27.78

General Mills  
Cheerios Cereal  
★★★★☆ (523)  
\$4.79

# Search Page – Item Found

Phase 4 Project: Kitchen Story

localhost:4200/home

Kitchen Story

Categories

- All
- herbs
- produce
- dressing
- snack
- rice
- cereal
- seafood
- eggs
- snack(2)
- dried goods(2)
- rice(1)
- cereal(1)
- seafood(1)
- eggs(1)

Available Items

H-E-B Organic Organic Basil  
★★★★☆ (715)  
\$3.07

Bonitas Celery Hearts  
★★★★☆ (645)  
\$2.84

Dave's Killer Bread Organic Powerseed Bread  
★★★★☆ (165)  
\$6.16

California Olive Ranch Global Blend Mild Extra Virgin Olive Oil  
★★★★☆ (542)  
\$7.70

Thai Kitchen Organic Unsweetened Coconut Milk  
★★★★☆ (785)  
\$3.84

Phase 4 Project: Kitchen Story

localhost:4200/search/milk

Kitchen Story

Categories

- All(28)
- herbs(2)
- produce(9)
- vegetables(8)
- bread(2)
- pantry(5)
- dressing(1)
- milk(3)
- non-dairy(2)
- plant-based(2)
- fruit(2)
- vegetarian(1)
- nuts(2)
- bulk(1)
- salad greens(1)
- meat(2)
- frozen(1)
- water(1)
- beverages(4)
- poultry(1)
- dairy(1)
- free-range(2)

Available Items

Thai Kitchen Organic Unsweetened Coconut Milk  
★★★★☆ (785)  
\$3.84

Silk Dark Chocolate Almond Milk  
★★★★☆ (987)  
\$3.36

Fairlife Whole Lactose Free Milk  
★★★★☆ (754)  
\$4.10

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# Search Page – Item Not Found

The image displays a composite view of a web application's search functionality. On the left, a screenshot of the application's homepage shows a search bar with the term "hamburger" entered. Below the search bar, a grid of "Available Items" is shown, featuring various food products such as basil, celery, bread, and oils. On the right, a second screenshot shows the results for the same search term. The search bar now displays "hamburger". The results grid is empty, and a prominent message bubble states "Nothing Found in the Pantry". The background of the entire image is a close-up photograph of fresh produce, including a large green leek and a lime.

Phase 4 Project: Kitchen Story

localhost:4200/home

Kitchen Story

Categories

Available Items

hamburger

Search

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3) non-dairy(2) plant-based(2) fruit(2) vegetarian(1) nuts(2) bulk(1) salad greens(1) meat(2) frozen(1) water(1) beverages(4) poultry(1) dairy(1) free-range(2)

H-E-B Organics Organic Basil ★★★★☆ (715)  
\$5.07 Our H-E-B Organic Fresh Basil has about 1/2 CUP Chopped within the package. TIP: [More...]

Bonjaks Celery Hearts ★★★★☆ (645)  
\$2.84 Crunchy organic celery, perfect for any soup, sandwich mix, or snack. Celery hearts have 1g of sugar per slice. It is [More...]

Dove's Killer Bread Organic Powerseed Bread ★★★★☆ (165)  
\$6.16 Sweetened with organic fruit juices, Powerseed has 1g of sugar per slice. It is [More...]

California Olive Ranch Global Blend Mild Extra Virgin Olive Oil ★★★★★ (542)  
\$7.70 Our mild Extra Virgin Olive Oil from our California

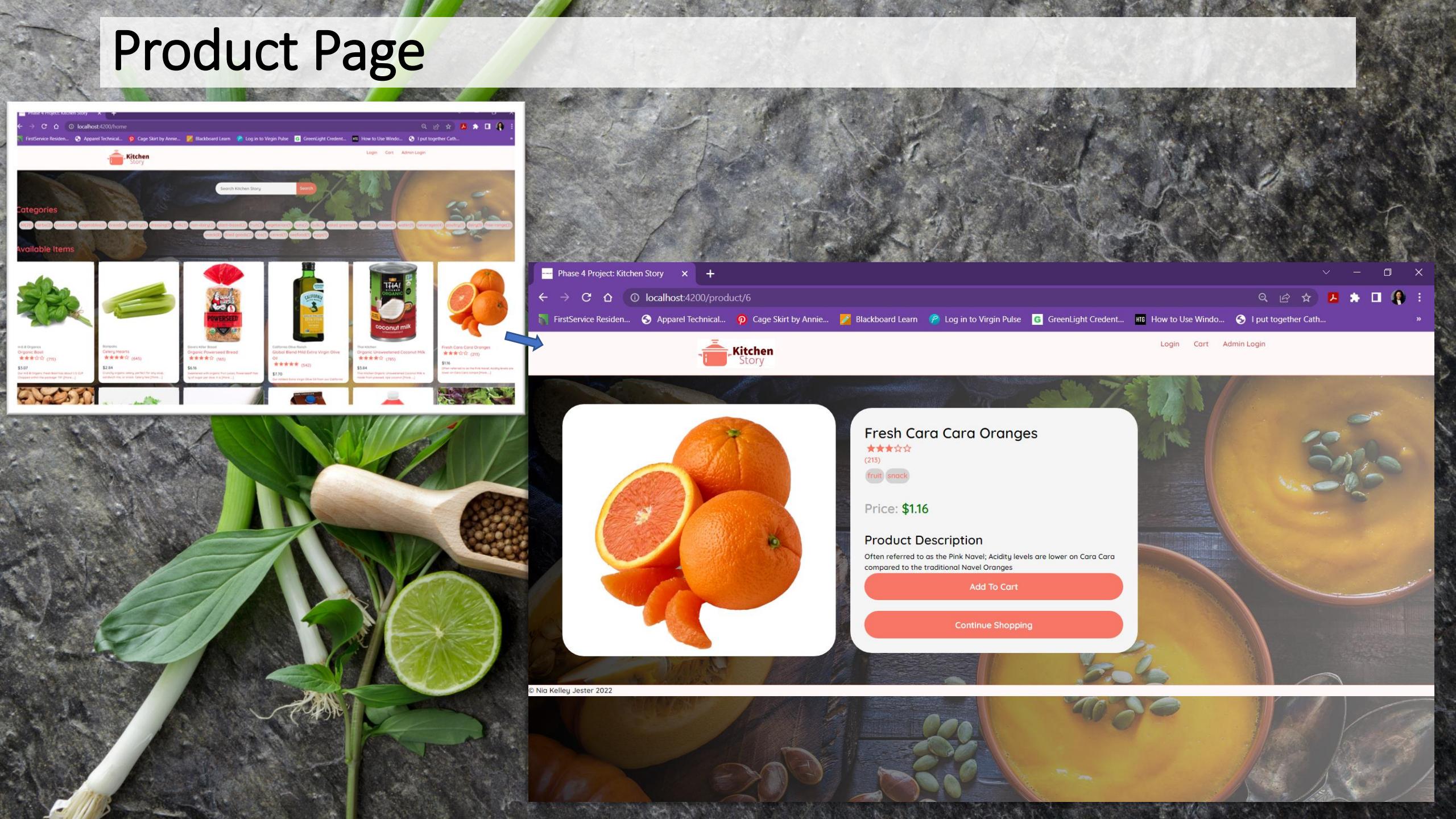
Thai Kitchen Organic Unsweetened Thai Kitchen Organic Unsweetened

Nothing Found in the Pantry

Return to Homepage

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# Product Page



# Adding Items to Cart

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story". The address bar displays "localhost:4200/cart-page". The page header includes a logo for "Kitchen Story" featuring a red pot icon, and navigation links for "Login", "Cart 3", and "Admin Login". A toolbar at the top right contains various icons.

The main content area is titled "Shopping Cart" and features a grid of three items:

- Fresh Cara Cara Oranges**: 1 unit, \$1.16. Includes a "Remove" button.
- Organic Basil**: 1 unit, \$3.07. Includes a "Remove" button.
- Grass-fed Bison Ribeye Steaks**: 1 unit, \$22.50. Includes a "Remove" button.

To the right of the cart items is a summary box:

- Cart Quantity: 3**
- Cart Price: \$26.73**
- Continue Shopping** (button)
- Proceed to Checkout** (button)

The background of the page features a large, artistic photograph of a bowl of orange soup garnished with green seeds, set against a dark wooden surface with scattered seeds and a whole orange. The bottom left corner of the image contains the copyright notice "© Nia Kelley Jester 2022".

# Changing Item Quantity

(screen 1 of 2)

The screenshot shows a web browser window for "Phase 4 Project: Kitchen Story" at `localhost:4200/cart-page`. The page features a header with the Kitchen Story logo, navigation links, and user authentication options. A central "Shopping Cart" section displays three items: Fresh Cara Cara Oranges, Organic Basil, and Grass-fed Bison Ribeye Steaks. Each item has a quantity dropdown menu open, with the number 3 selected for the steaks. To the right of the cart items is a summary box showing "Cart Quantity: 3" and "Cart Price: \$26.73", along with "Continue Shopping" and "Proceed to Checkout" buttons. The background of the page is a photograph of various fresh ingredients like a whole orange, basil leaves, and a ribeye steak. The overall theme is a kitchen or food-related e-commerce site.

Phase 4 Project: Kitchen Story

localhost:4200/cart-page

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Kitchen Story

Login Cart 3 Admin Login

Shopping Cart

Item	Quantity	Price	Action
Fresh Cara Cara Oranges	1	\$1.16	Remove
Organic Basil	1	\$3.07	Remove
Grass-fed Bison Ribeye Steaks	1	\$22.50	Remove

Cart Quantity: 3

Cart Price: \$26.73

Continue Shopping

Proceed to Checkout

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# Changing Item Quantity

(screen 2 of 2)

Phase 4 Project: Kitchen Story

localhost:4200/cart-page

Kitchen Story

Shopping Cart

Item	Quantity	Price
Fresh Cara Cara Oranges	1	\$1.16
Organic Basil	1	\$3.07
Grass-fed Bison Ribeye Steaks	3	\$67.50

Cart Quantity: 5

Cart Price: \$71.73

Continue Shopping

Proceed to Checkout

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# Remove Product from Cart

Phase 4 Project: Kitchen Story

localhost:4200/cart-page

Kitchen Story

Shopping Cart

Fresh Cara Cara Oranges	1	\$1.16	Remove
Organic Basil	1	\$3.07	Remove
Grass-fed Bison Ribeye Steaks	3	\$67.50	Remove

Cart Quantity: 5  
Cart Price: \$71.73

Continue Shopping  
Proceed to Checkout

Phase 4 Project: Kitchen Story

localhost:4200/cart-page

Kitchen Story

Shopping Cart

Organic Basil	1	\$3.07	Remove
Grass-fed Bison Ribeye Steaks	3	\$67.50	Remove

Cart Quantity: 4  
Cart Price: \$70.57

Continue Shopping  
Proceed to Checkout

# Proceed to Checkout

Phase 4 Project: Kitchen Story

localhost:4200/checkout

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Login Cart 4 Admin Login

Kitchen Story

Order Details

Order Item Count: 4  
Order Price: \$70.57

	Organic Basil	1	\$3.07
	Grass-fed Bison Ribeye Steaks	3	\$67.50

Go To Payment

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# Payment Button

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story". The address bar displays "localhost:4200/order-confirmation". The page content includes the Kitchen Story logo (a red pot icon and the text "Kitchen Story"). A main message states "Your order is confirmed, and your payment has been processed....". Below this is a red button labeled "Return to Homepage". At the bottom of the page, there is a copyright notice: "© Nia Kelley Jester 2022". The background of the page features a photograph of a meal: a bowl of orange soup garnished with green seeds, a bowl of yellow soup garnished with green seeds, and some bread rolls on a wooden board.

Phase 4 Project: Kitchen Story

localhost:4200/order-confirmation

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Kitchen Story

Your order is confirmed, and your payment has been processed....

Return to Homepage

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# Tags Feature – From Landing Page

The screenshot shows a web browser window for 'Phase 4 Project: Kitchen Story' at the URL [localhost:4200/tag/plant-based](http://localhost:4200/tag/plant-based). The page features a header with the Kitchen Story logo, a search bar, and navigation links for Login, Cart, and Admin Login. Below the header is a banner image of various food items, including bread, herbs, and a bowl of soup. A red circle highlights the 'plant-based(2)' tag in the breadcrumb trail, which is part of a larger list of tags. The main content area is titled 'Available Items' and displays two products: a can of Thai Kitchen Organic Unsweetened Coconut Milk and a carton of Silk Dark Chocolate Almond Milk.

Categories

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3) non-dairy(1) **plant-based(2)** fruit(2) vegetarian(1) nuts(2) bulk(1) salad greens(1) meat(2) frozen(1) water(1) beverages(4) poultry(1) dairy(1) free-range(2) snack(8) dried goods(2) rice(1) cereal(1) seafood(1) eggs(1)

Available Items

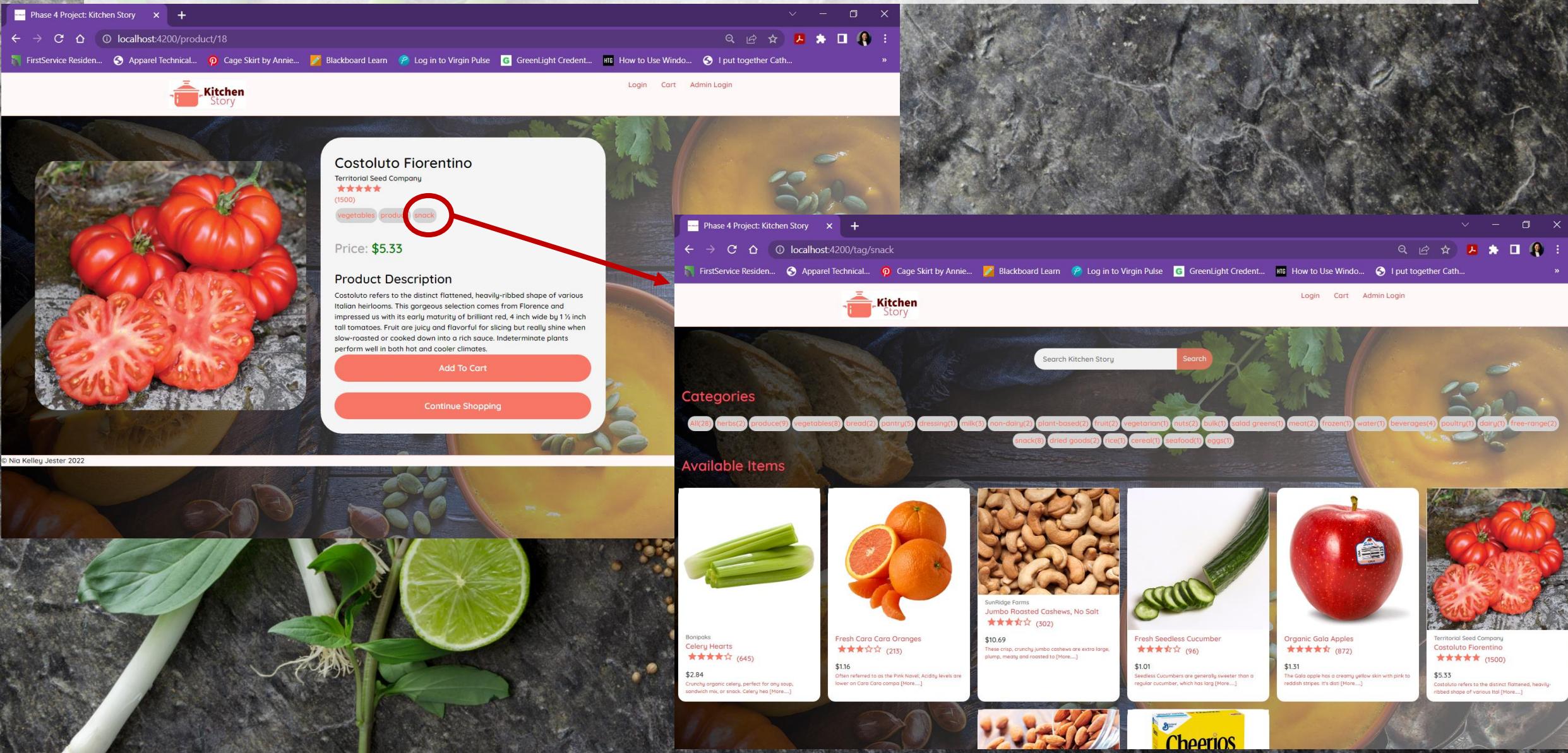
**Thai Kitchen Organic Unsweetened Coconut Milk**  
★★★★★ (785)  
\$3.84  
Thai Kitchen Organic Unsweetened Coconut Milk is made from pressed, ripe coconut [More...]

**Silk Dark Chocolate Almond Milk**  
★★★★★ (987)  
\$3.36  
Indulge your sweet tooth the smart way with Silk Dark Chocolate Almondmilk. Feat [More...]

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localhost:4200/tag/plant-based

# Tags Feature – From Product Page



The image shows a collage of food-related photographs at the bottom: a cluster of red tomatoes, a lime cut in half, a long green leek, and a bowl of yellow soup with green beans.

**Product Page (localhost:4200/product/18):**

- Product Name:** Costoluto Fiorentino
- Supplier:** Territorial Seed Company
- Rating:** ★★★★☆ (1500)
- Tags:** vegetables, produce, snack (highlighted with a red circle and arrow)
- Price:** \$5.33
- Description:** Costoluto refers to the distinct flattened, heavily-ribbed shape of various Italian heirlooms. This gorgeous selection comes from Florence and impressed us with its early maturity of brilliant red, 4 inch wide by 1 ½ inch tall tomatoes. Fruit are juicy and flavorful for slicing but really shine when slow-roasted or cooked down into a rich sauce. Indeterminate plants perform well in both hot and cooler climates.
- Buttons:** Add To Cart, Continue Shopping

**Tag Page (localhost:4200/tag/snack):**

- Category:** Categories
- Tags:** All(28), herbs(2), produce(9), vegetables(0), bread(2), pantry(5), dressing(0), milk(3), non-dairy(2), plant-based(2), fruit(2), vegetarian(1), nuts(2), bulk(1), salad greens(1), meat(2), frozen(1), water(1), beverages(4), poultry(1), dairy(1), free-range(2), snack(8), dried goods(2), rice(1), cereal(1), seafood(1), eggs(1)
- Available Items:**

  - Bonjaks Celery Hearts: ★★★★☆ (645) - \$2.84
  - Fresh Cara Cara Oranges: ★★★★☆ (213) - \$116
  - SunRidge Farms Jumbo Roasted Cashews, No Salt: ★★★★☆ (302) - \$10.69
  - Fresh Seedless Cucumber: ★★★★☆ (96) - \$1.01
  - Organic Gala Apples: ★★★★☆ (872) - \$1.31
  - Territorial Seed Company Costoluto Fiorentino: ★★★★☆ (1500) - \$5.33

# Login Feature

Phase 4 Project: Kitchen Story    +

localhost:4200/tag/snack

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath... »

Kitchen Story

Search Kitchen Story Search

Categories

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3) non-dairy(2) plant-based(2) fruit(2) vegetarian(1) nuts(2) bulk(1) salad greens(1) meat(2) frozen(1) water(1) beverages(4) poultry(1) dairy(1) free-range(2) snack(8) dried goods(2) rice(1) cereal(1) seafood(1) eggs(1)

Available Items



Bonipaks Celery Hearts  
★★★★★ (645)  
**\$2.84**  
Crunchy organic celery, perfect for any soup, sandwich mix, or snack. Celery hea [More....]



Fresh Cara Cara Oranges  
★★★★★ (213)  
**\$1.16**  
Often referred to as the Pink Navel; Acidity levels are lower on Cara Cara compa [More....]



SunRidge Farms Jumbo Roasted Cashews, No Salt  
★★★★★ (302)  
**\$10.69**  
These crisp, crunchy jumbo cashews are extra large, plump, meaty and roasted to [More....]



Fresh Seedless Cucumber  
★★★★★ (96)  
**\$1.01**  
Seedless Cucumbers are generally sweeter than a regular cucumber, which has larg [More....]



Organic Gala Apples  
★★★★★ (872)  
**\$1.31**  
The Gala apple has a creamy yellow skin with pink to reddish stripes. It's disti [More....]



Territorial Seed Company Costoluto Fiorentino  
★★★★★ (1500)  
**\$5.33**  
Costoluto refers to the distinct flattened, heavily-ribbed shape of various Ital [More....]

localhost:4200/login

# Login Form

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story". The address bar indicates the URL is "localhost:4200/login". The main content area displays a "Welcome" message and a "Login Form". The login form includes fields for "Username" and "Password", and buttons for "Login" and "Proceed as Guest". The background of the page is a photograph of a rustic wooden table with various ingredients, including pumpkins, seeds, and herbs, which serves as the theme for the website.

Phase 4 Project: Kitchen Story

localhost:4200/login

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

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Login Form

Username

Password

Login Proceed as Guest

Logout Cart Admin Login

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# Login Form with Form Validation

Phase 4 Project: Kitchen Story

localhost:4200/login

Kitchen Story

Welcome

We now offer online shopping for basic food staples on our website. Please enjoy!

© Nia Kelley Jester 2022

Username

Username cannot be Empty

Password

Password cannot be Empty

Login

Proceed as Guest

Admin Login

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# Login Form (screen 1 of 2)

The screenshot displays a web application for "Kitchen Story" with a focus on a login form. The background is a vibrant photograph of fresh produce like a melon, lime, and a cutting board. The login interface includes fields for "Username" (with "niakelley" entered) and "Password" (with four dots). It offers two submission options: "Login" and "Proceed as Guest". The browser title is "Phase 4 Project: Kitchen Story" and the URL is "localhost:4200/login". Navigation links at the top include "Login", "Cart", and "Admin Login". A sidebar on the left features the "Kitchen Story" logo. The right side of the image shows a code editor with TypeScript code for the login component, specifically the "onSubmit" method which handles user authentication.

```
/* **** */
 * Method Name: onSubmit()
 * Access Type: public
 * Input Parameters: none
 * Return Type: void
 * Purpose:
 * **** */
onSubmit(){
    this.submitted = true;
    if(this.loginForm.invalid)
        return; //don't allow the user to submit the form
    else{
        var result = this.loginService.login(this.loginForm.controls['username'].value,
                                             this.loginForm.controls['password'].value);
        console.log(this.loginForm.value); // prints form values in json format
        //compare the username and password to the User[] array
        alert("User successfully logged in...");
        this.router.navigate(['/home']);
    }
}

/* **** */
 * Method Name: login()
 * Access Type: public
 * Input Parameters: Username String, Password String
 * Return Type: boolean
 * Purpose: To validate username and password against the application's database, upon submitting the form to the server.
 *           In a real application, our login method should call an authentication API on a server with the credentials.
 *           To simplify our illustration for now, we authenticate with hardcoded values.
 * **** */
login(username: string, password: string):boolean{
    if(username === "niakelley" && password === "abc123")
        this._isUserLoggedIn = true;
    else
        this._isUserLoggedIn = false;

    return this._isUserLoggedIn;
}
```

# Login Form (screen 2 of 2)

The screenshot shows a web browser window for 'Phase 4 Project: Kitchen Story' at `localhost:4200/login`. The page displays a 'Login Form' with fields for 'Username' (niakelley) and 'Password' (abc123). Below the form are two buttons: 'Login' and 'Proceed as Guest'. A modal message box is centered, stating 'User successfully logged in...' with an 'OK' button, which is circled in red. To the right of the browser is the Windows Taskbar, showing various open applications like 'How to Use Windo...', 'I put together Cath...', and the 'Console' application. The 'Console' window is active, showing developer settings and a warning about using `ngModel` on the same form field as `formControlName`. It also displays the logged-in user information: `{username: 'niakelley', password: 'abc123'}`. A large red arrow points from this console output down to the bottom of the image, where a second screenshot of the 'Kitchen Story' home page is shown.

1. Updated console

2. Redirected to the home page

```
localhost:4200 says
User successfully logged in...
OK
```

```
How to Use Windo... I put together Cath...
Console
Filter Default levels
2 Issues: 1 1 1
Hide network Log XMLHttpRequests
Preserve log Eager evaluation
Selected context only Autocomplete from history
Group similar messages in Evaluate triggers user activation
Show CORS errors in console
development mode. Call enableProdMode() to
enable production mode.

main.ts:11
It looks like you're using ngModel on the
same form field as formControlName.
Support for using the ngModel input property
and ngModelChange event with
reactive form directives has been deprecated
in Angular v6 and will be removed
in a future version of Angular.

For more information on this, see our API
docs here:
https://angular.io/api/forms/FormControlName#use-with-ngmodel

[webpack-dev-server] Live index.js:551
Reloading enabled.

login.component.ts:68
{username: 'niakelley', password: 'abc123'}
```

```
Console What's New Issues
```

```
login.component.ts:68
{username: 'niakelley', password: 'abc123'}
password: "abc123"
username: "niakelley"
[[Prototype]]: Object
```

The screenshot shows the 'Kitchen Story' home page at `localhost:4200/home`. The page features a header with the Kitchen Story logo and a search bar. Below the header is a 'Categories' section with links to various food and drink categories. The main content area is titled 'Available Items' and displays a grid of products. The products include:

- i&B Organics Organic Basil: \$3.07, 4.5 stars (715 reviews)
- Namaste Celery Hearts: \$2.84, 4.5 stars (645 reviews)
- Doves Kitchen Organic Powerseed Bread: \$6.16, 4.5 stars (145 reviews)
- California Olive Ranch Global Blend Mild Extra Virgin Olive Oil: \$7.70, 4.5 stars (542 reviews)
- Tai Organic Unweetened Coconut Milk: \$3.84, 4.5 stars (215 reviews)
- Fresh Cara Cara Oranges: \$1.16, 4.5 stars (215 reviews)

Each product card includes a small image, the name, price, rating, and review count.

# Admin Menu

Phase 4 Project: Kitchen Story    +

localhost:4200/tag/snack

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Kitchen Story

Categories

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3) non-dairy(2) plant-based(2) fruit(2) vegetarian(1) nuts(2) bulk(1) salad greens(1) meat(2) frozen(1) snack(8) dried goods(2) rice(1) cereal(1) seafood(1) eggs(1)

Available Items

Bonipaks Celery Hearts ★★★★☆ (645) \$2.84 Crunchy organic celery, perfect for any soup, sandwich mix, or snack. Celery hea [More....]

Fresh Cara Cara Oranges ★★★★☆ (213) \$1.16 Often referred to as the Pink Naval, Acidity levels are lower on Cara Cara compa [More....]

SunRidge Farms Jumbo Roasted Cashews, No Salt ★★★★☆ (302) \$10.69 These crisp, crunchy jumbo cashews are extra large, plump, meaty and roasted to [More....]

Fresh Seedless Cucumber ★★★★☆ (96) \$1.01 Seedless Cucumbers are generally sweeter than a regular cucumber, which has larg [More....]

Organic Gala Apples ★★★★☆ (872) \$1.31 The Gala apple has a creamy yellow skin with pink to reddish stripes. It's disti [More....]

Territorial Seed Company Costoluto Fiorentino ★★★★☆ (1500) \$5.33 Costoluto refers to the distinct flattened, heavily-ribbed shape of various Ital [More....]

Search Kitchen Story Search

Login Cart Admin Login Add New Product Remove Product Reset Password - Coming Soon Logout

# Admin Feature – Add New Product Form

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story" and the URL "localhost:4200/add". The page is titled "Add Product Form" and features a form for adding new products. The form includes fields for Brand Name, Product Name, Organic Product status, Price (\$0), Product Rating (0), Number of Customer Reviews (0), Product Description, Product Categories/Tags, and Base Name of Image File. Below the form, a note states: "In this version of the application, you have to upload the image to the src/assets/images folder. This is NOT an file upload function." At the bottom are "Add Product" and "Return to Homepage" buttons. The background of the page is a photograph of two bowls of soup with garnishes.

Phase 4 Project: Kitchen Story

localhost:4200/add

Add Product Form

Brand Name

Product Name

Organic Product

\$ 0

Product Rating

0

Number of Customer Reviews

0

Product Description

Product Categories/Tags

Base Name of Image File

In this version of the application, you have to upload the image to the src/assets/images folder. This is NOT an file upload function.

Add Product

Return to Homepage

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# Admin Feature – Add New Product Form Validation

Phase 4 Project: Kitchen Story   X   Phase 4 Project: Kitchen Story   X   Angular Form validation not show X | +

localhost:63667/add

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Login Cart Admin Login

**Add Product Form**

Brand Name  
Bob's Red Mill

Product Name  
 ⓘ  
Product Name cannot be Empty

Organic Product

\$ 11.18

Product Rating  
6 ⓘ  
Product Rating must be between 0-5

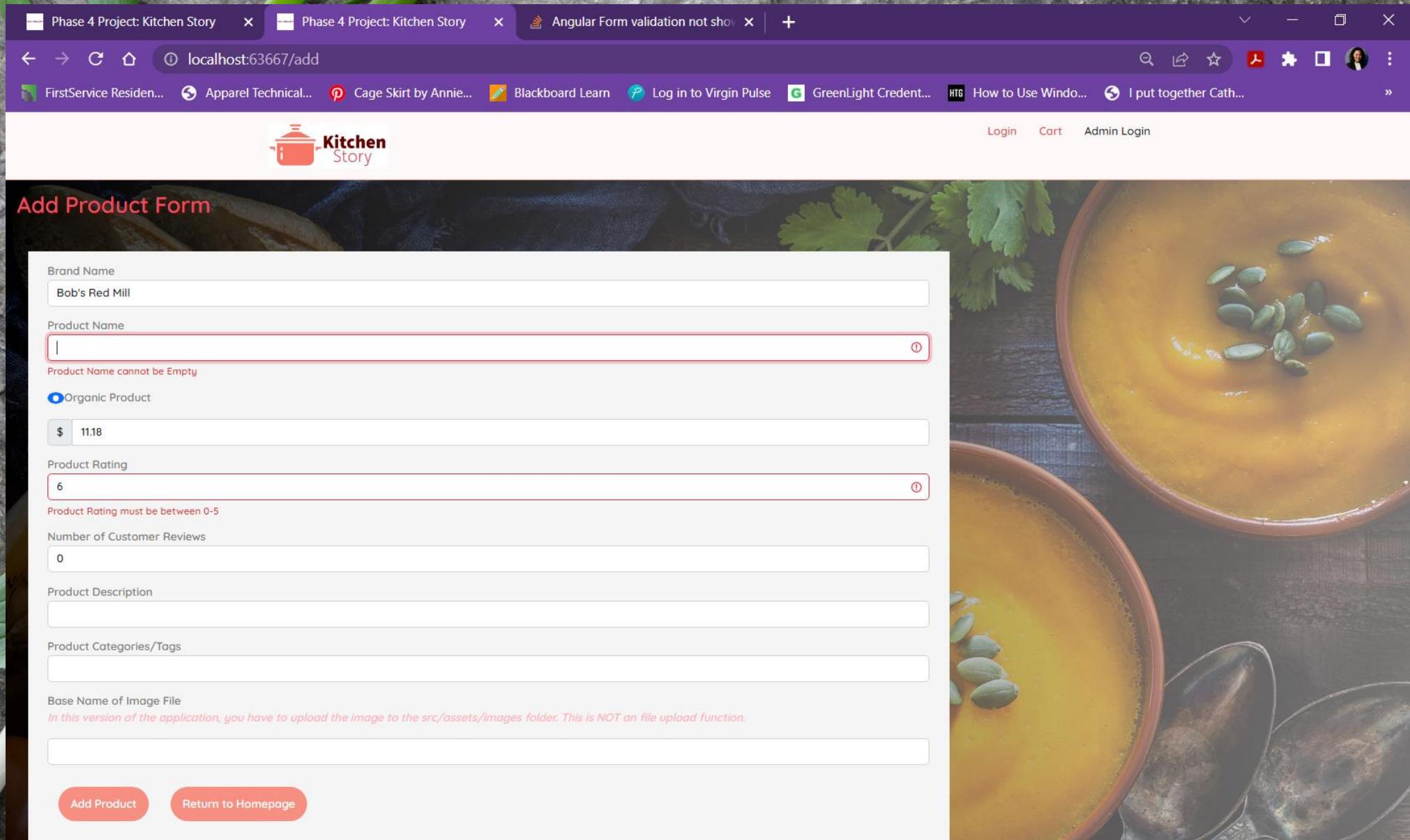
Number of Customer Reviews  
0

Product Description

Product Categories/Tags

Base Name of Image File  
In this version of the application, you have to upload the image to the src/assets/images folder. This is NOT an file upload function.

Add Product   Return to Homepage



The screenshot shows a web browser window with three tabs open. The active tab is titled 'Angular Form validation not show'. The URL in the address bar is 'localhost:63667/add'. The page content is an 'Add Product Form' for a product named 'Bob's Red Mill'. The 'Product Name' field is empty and highlighted with a red border, accompanied by the validation message 'Product Name cannot be Empty'. The 'Product Rating' field contains the value '6', which is also highlighted with a red border and has the validation message 'Product Rating must be between 0-5'. The background of the page features a large image of two bowls of orange soup garnished with green seeds.

# Admin Feature – Add New Product Form

The screenshot shows a web browser window with the title "Phase 4 Project: Kitchen Story" and a tab titled "Angular Form validation not show". The URL in the address bar is "localhost:63667/add". The page header includes the Kitchen Story logo, a navigation bar with "Login", "Cart", and "Admin Login", and a toolbar with various icons.

The main content is the "Add Product Form". The form fields are as follows:

- Brand Name:** Bob's Red Mill
- Product Name:** Organic Farro
- Type:** Organic Product
- Price:** \$ 11.18
- Rating:** 5
- Reviews:** 89542
- Description:** In ancient Rome, farro was a staple food that provided the main source of nourishment for the Roman legions. It was so coveted that it was even used as a form of currency.
- Categories/Tags:** pantry
- Image File:** Base Name of Image File: farro.jpg

At the bottom of the form, there are two buttons: "Add Product" and "Return to Homepage". A success message at the very bottom states: "You submitted the following new product: Organic Farro for \$11.18".

# Admin Feature – Add New Product Form

The screenshot shows a web browser window with the URL `localhost:63667/add`. The page displays an 'Add Product' form for a food item. The form fields include:

- Brand Name: Bob's Red Mill
- Product Name: Organic Farro
- Type: Organic Product
- Price: \$ 11.18
- Product Rating: 5
- Number of Customer Reviews: 89542
- Product Description: In ancient Rome, farro was a staple food that provided the main source of nourishment for the Roman legions. It was so coveted that it wa
- Product Categories/Tags: pantry
- Base Name of Image File: farro.jpg

At the bottom of the form are two buttons: "Add Product" and "Return to Homepage". A success message dialog box is centered on the screen, stating "Successfully added a new product..." with an "OK" button.

To the right of the browser window is the Microsoft Edge developer tools console. The console tab is selected, showing the following output:

```
localhost:63667 says
Successfully added a new product...
OK
[webpack-dev-server] Live Reloading enabled.
add-product.component.ts:72
{productId: 28, imageUrl: '/assets/images/farro.jpg', productName: 'Organic Farro', price: 11.18, brand: "Bob's Red Mill", ...} i
>

```

The console also includes a sidebar with various developer settings and a message about the deprecation of ngModel in favor of FormControlName.

# Admin Feature – Add New Product Form

Phase 4 Project: Kitchen Story    localhost:4200/home

Dimensions: Responsive ▾ 1212 x 859 70% ▾ No throttling ▾

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credent... How to Use Windo... I put together Cath...

Console ▾ 1 1 Default levels ▾ 2 hidden

Filter

2 Issues: 1 1

Hide network  Log XMLHttpRequests  
 Preserve log  Eager evaluation  
 Selected context only  Autocomplete from history  
 Group similar messages in console  Evaluate triggers user activation  
 Show CORS errors in console

does here:  
<https://angular.io/api/forms/FormControlName#use-with-ngmodel>

[webpack-dev-server] Live index.js:551

add-product.component.ts:72

```
{productId: 29, imageUrl: '/assets/images/farro.jpg', productName: 'Organic Farro', price: 11.18, brand: "Bob's Red Mill", ...} ⓘ  
brand: "Bob's Red Mill"  
description: "In ancient Rome, farro was a staple food."  
imageUrl: "/assets/images/farro.jpg"  
numOfReviews: 89542  
organic: "true"  
price: 11.18  
productId: 29  
productName: "Organic Farro"  
rating: 5  
tags: "pantry"
```

[[Prototype]]: Object

Console What's New Issues

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# Admin Feature – Add New Product Form

The image shows two screenshots of the Kitchen Story application. The left screenshot displays a grid of product cards, including Topo Chico Mineral Water, Kitchen Basics Unsalted Chicken Stock, and Bob's Red Mill Organic Farro. A red arrow points from the 'Categories' section of the navigation bar at the bottom left to the 'Farro' product card. A callout bubble states: "Note: The 'All' products count also increased correctly". The right screenshot shows a detailed product page for 'Organic Farro' by Bob's Red Mill. The page includes a large image of the farro bag, the product title, price (\$11.18), and a product description about its history and health benefits. A red callout bubble on the right side of the page notes: "New product page (note: tags/categories has a bug; will fix in a future release)".

Phase 4 Project: Kitchen Story

localhost:4200/home

Dimensions: Responsive 1212 x 859 70% No throttling

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

Topo Chico Mineral Water Twist of Lime (4 pack) ★★★★★ (2654) \$5.59

Kitchen Basics Unsalted Chicken Stock ★★★★★ (871) \$2.95

H.B. Wild Caught Extra Jumbo Sea Scallops ★★★★★ (748) \$27.78

Topo Chico has always been known for the legend surrounding its origins. Today, [More...]

General Mills Cheerios Cereal ★★★★★ (523) \$4.79

Bob's Red Mill Organic Farro ★★★★★ (89542) \$11.18

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Categories

All(29) | herbs(2) | produce(9) | vegetables(8) | bread(2) | pantry(5) | dressing(1) | salad greens(1) | meat(2) | frozen(1) | water(1) | beverages(4) | poultry(1) | seafood(1)

Note: The 'All' products count also increased correctly

Phase 4 Project: Kitchen Story

Angular Form validation not show

localhost:63667/product/29

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Login Cart 1 Admin Login

Kitchen Story

Organic Farro

Bob's Red Mill ★★★★★ (89542)

Price: \$11.18

Product Description

In ancient Rome, farro was a staple food that provided the main source of nourishment for the Roman legions. It was so coveted that it was even used as a form of currency. While that might not still hold true today, it does remain one of the healthiest of the wheat species. Farro is commonly used in traditional dishes, stews, casseroles and salads. Bob's Red Mill Farro is USDA organic.

Add To Cart

Continue Shopping

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# Admin Feature – Remove Product Form

The screenshot shows a web browser window for 'Phase 4 Project: Kitchen Story' at the URL 'localhost:4200/remove'. The page title is 'Delete Product'. On the left, there is a list of products with small images, descriptions, and 'Remove Product' buttons. On the right, there is a sidebar with links for adding new products, removing products, resetting password, and logging out. The background features a photograph of two bowls of soup.

**Delete Product**

- Organic Basil**  
Our H-E-B Organic Fresh Basil has about 1/2 CUP Chopped within the package! TIP: [More....]  
[Remove Product](#)
- Celery Hearts**  
Crunchy organic celery, perfect for any soup, sandwich mix, or snack. Celery hea [More....]  
[Remove Product](#)
- Organic Powerseed Bread**  
Sweetened with organic fruit juices, Powerseed® has 1g of sugar per slice. It is [More....]  
[Remove Product](#)
- Global Blend Mild Extra Virgin Olive Oil**  
Our mildest Extra Virgin Olive Oil from our California farmers and partner growe [More....]  
[Remove Product](#)
- Organic Unsweetened Coconut Milk**  
Thai Kitchen Organic Unsweetened Coconut Milk is made from pressed, ripe coconut [More....]  
[Remove Product](#)
- Fresh Cara Cara Oranges**  
Often referred to as the Pink Navel; Acidity levels are lower on Cara Cara compa [More....]  
[Remove Product](#)
- Jumbo Roasted Cashews, No Salt**  
These crisp, crunchy jumbo cashews are extra large, plump, meaty and roasted to [More....]  
[Remove Product](#)

[Add New Product](#)  
[Remove Product](#)  
Reset Password - Coming Soon  
[Logout](#)

localhost:4200/remove

# Admin Feature – Remove Product Form

Phase 4 Project: Kitchen Story    X    +

localhost:4200/remove

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse GreenLight Credit... How to Use Windo... I put together Cath...

	Whole Natural Raw Almonds A good source of fiber and 6 vitamins and minerals. Contains 14 G of total fat p [More....]	<a href="#">Remove Product</a>
	Organic Red Lentils Add a delicious and nutritious boost to any of your favorite dinners with Arrow [More....]	<a href="#">Remove Product</a>
	Mineral Water Twist of Lime (4 pack) Topo Chico has always been known for the legend surrounding its origins. Today, [More....]	<a href="#">Remove Product</a>
	Unsalted Chicken Stock For yummy homemade taste, pick up some Kitchen Basics Unsalted Chicken Stock. Ma [More....]	<a href="#">Remove Product</a>
	Wild Caught Extra Jumbo Sea Scallops Rich flavor with a meaty texture. Great for sautéing or grilling. Fresh, never f [More....]	<a href="#">Remove Product</a>
	Cheerios Cereal Cheerios has been a family favorite for years. Its wholesome goodness is perfect [More....]	<a href="#">Remove Product</a>
	Organic Farro In ancient Rome, farro was a staple food that provided the main source of nouris [More....]	<a href="#">Remove Product</a>

[Return to Homepage](#)

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# Admin Feature – Remove Product Form

Phase 4 Project: Kitchen Story    localhost:4200/remove

FirstService Residen... Apparel Technical... Cage Skirt by Annie...

Dimensions: Responsive ▾ 1212

Add a delicious and nu favorite dinners with Arrow [More....]

Mineral Water Twist of Lime (4 pack)  
Topo Chico has always been known for the legend surrounding its origins. Today, [More....]

Unsalted Chicken Stock  
For yummy homemade taste, pick up some Kitchen Basics Unsalted Chicken Stock. Ma [More....]

Wild Caught Extra Jumbo Sea Scallops  
Rich flavor with a meaty texture. Great for sautéing or grilling. Fresh, never f [More....]

Cheerios Cereal  
Cheerios has been a family favorite for years. Its wholesome goodness is perfect [More....]

Organic Farro  
In ancient Rome, farro was a staple food that provided the main source of nouris [More....]

Return to Homepage

localhost:4200 says  
Removed Product from the Kitchen Story inventory...

OK

HTG How to Use Wind... I put together Cath...  
Console 1 hidden Default levels  
Filter 2 Issues: 1 1 1  
Log XMLHttpRequests  
Preserve log  
Selected context only  
Group similar messages in console  
Show CORS errors in console  
remove-product.component.ts:72  
ERROR Error: NG02200: Cannot find a differ supporting object 'pantry' of type 'string'. NgFor only supports binding to Iterables, such as Arrays. Find more at <https://angular.io/errors/NG02200>  
at NgForOf.ngDoCheck ([common.mjs:3202:31](#))  
at callHook ([core.mjs:2501:18](#))  
at callHooks ([core.mjs:2460:17](#))  
at executeInitAndCheckHooks ([core.mjs:2411:9](#))  
at refreshView ([core.mjs:11999:21](#))  
at refreshEmbeddedViews ([core.mjs:13034:17](#))  
at refreshView ([core.mjs:12008:9](#))  
at refreshComponent ([core.mjs:13080:13](#))  
at refreshChildComponents ([core.mjs:11774:9](#))  
at refreshView ([core.mjs:12034:13](#))  
remove-product.component.ts:27  
{productId: 29, imageUrl: '/assets/images/farr...o.jpg', productName: 'Organic Farro', price: 1 1.18, brand: "Bob's Red Mill", ...} [!](#)

Console What's New Issues

# Admin Feature – Remove Product Form

Phase 4 Project: Kitchen Story    X    +

localhost:4200/home

FirstService Residen... Apparel Technical... Cage Skirt by Annie... Blackboard Learn Log in to Virgin Pulse Greenlight Credit... How to Use Windo... I put together Cath...

Dimensions: Responsive ▾ 1212 x 859 70% No throttling

Console 2 Issues: 1 = 1

Filter Default levels

2 hidden

Hide network Log XMLHttpRequests

Preserve log Eager evaluation

Selected context only Autocomplete from history

Group similar messages in console Evaluate triggers user activation

Show CORS errors in console

at refreshEmbeddedViews (core.mjs:13034:17)  
at refreshView (core.mjs:12008:9)  
at refreshComponent (core.mjs:13080:13)  
at refreshChildComponents (core.mjs:11774:9)  
at refreshView (core.mjs:12034:13)

remove\_product.component.ts:27  
{productId: 29, imageUrl: '/assets/images/farr...  
vo.jpg', productName: 'Organic Farro', price: 11.18, brand: "Bob's Red Mill", ...} i  
brand: "Bob's Red Mill"  
description: "In ancient Rome, farro was a s...  
imageUrl: '/assets/images/farro.jpg'  
numOfReviews: 89542  
organic: "true"  
price: 11.18  
productId: 29  
productName: "Organic Farro"  
rating: 5  
tags: "pantry"  
[[Prototype]]: Object

Console What's New Issues

Categories

All(28) herbs(2) produce(9) vegetables(8) bread(2) pantry(5) dressing(1) milk(3)

Note: The 'All' products count also decreased correctly

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# Features to Implement for Capstone Project

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Kitchen Story

# Features

## FRONTEND

- Tags for New Product
  - Fix bug – use ngFor to bind to an Array
- Add “Reset Password” functionality for the Admin user
- Use Observables for User monitoring
- Add HTTP functionality
- Add dynamic appearance of the nav bar, based on user state
- Continue to refine the CSS code to improve the overall look & feel of the application
- Remove hardcoded product, tags/categories, and User data

## BACKEND

- Create the Spring Boot application
- Establish the REST API
- Create the MySQL database
  - Product information
  - Tags/categories
  - User data
- Connect the frontend and the backend