Application Manual

The Developed UI consists of three routes

- 1. /test-card
- 2. /products
- 3. /products/:id

Detailed Explanation of Routes as follows:

Route 1: /test-card

This route is implemented to test Step 2 mentioned in the task. @Input and @Output are used to accept the product object and emit an event that shows the details.





On clicking the view details button, an alert event is triggered that shows the product id.

Route 2: /products

This route is implemented to show all the products present in the products.json file. This is present inside the assets folder of the application.

All the products are listed in a table as rows as shown in the image below. ← → ♂ O localhost:4200/products ☆ ☐ | V Finish update : List of Products Status MacBook Pro 16-inch Retina display with M2 Pro chip and 32GB RAM iPhone 15 Pro Latest flagship smartphone with A17 Pro chip and 48MP camera Sony WH-1000XM5 Premium wireless noise-cancelling headphones with 30-hour battery In Stock Dell XPS 15 15.6-inch 4K OLED display with 12th Gen Intel Core i7 iPad Air In Stock 10.9-inch Liquid Retina display with M1 chip Samsung Galaxy S23 6.1-inch Dynamic AMOLED with Snapdragon 8 Gen 2 In Stock Bose QuietComfort Ultra Premium noise-cancelling headphones with immersive audio LG C3 OLED TV 65-inch 4K OLED Smart TV with WebOS and Dolby Vision Apple Watch Series 9 Latest smartwatch with health monitoring and always-on display In Stock Test Product Card

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The Test Product Card redirects to testing the product card component.

Each row in the table is clickable and on clicking a product it redirects to the /products/:id page where the id is automatically fetched based on the product selected.

The Products hyperlink present in the top bar can always be used to navigate back to the product page.

Route 3: /products/:id

This page consists of detailed information about the product that is selected in the products page.

iPhone 15 Pro

Back to Products

\$999

Rating: ******** (4.7)

Latest flagship smartphone with A17 Pro chip and 48MP camera

In Stock

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Technical Specifications

Since the application is developed on the angular base, there are components for every route involved and a model for defining the basic structure.

Model - Product.model

This forms the basic template for the product. It contains the following fields:

Id: Unique identifier of the product

Name: Name of the Product

Price: Price of the Product

Description: Basic Details of the product

Image: The image of the product,

rating: Average Rating received for the product

inStock: Whether the product is in stock or not

This model is reused in all the components to display or manipulate the data surrounding the product.

Components

The component is basic building block of the application. We have three main components namely

- → Product-card: To test the working of the product
- → Product-list: To list all the products present in the inventory
- → Product-detail: To show all the details of selected product

Assets

This contains all the miscellaneous items required for functioning of the UI such as:

- → Images for displaying the products
- → The product.json which is the inventory that stores the current products