

# Caseware Angular Assessment Project Documentation

## Project Overview:

The Angular Product List Application is a web-based application that allows users to view a list of products and access detailed information about each product. The project follows Angular best practices by using components, services, routing and data binding to ensure scalability, maintainability and a clean code structure.

## Key Features:

- **Product List View:** Displays a list of products with name, description, price, and image.
- **Product Details View:** Provides detailed information for each product selected.
- **Reusable Components:** Utilizes ProductCardComponent to ensure modularity and code reusability.
- **Routing & Navigation:** Implements Angular Routing to navigate between product list and product detail pages.
- **Service & Data Handling:** Uses ProductService with Observables (RxJS) to handle product data efficiently.

## Routes:

Route	Description
/products	Displays the <b>Product List</b> with name, description, price, and image.
/products/:id	Shows <b>detailed product information</b> for the selected product.

## Implementation Details

### 1. Clone the Repository

- Open a terminal or command prompt.
- Run the following command to clone the repository:

#### Commands:

```
git clone https://github.com/sharanmurli/caseware.git
```

```
cd product-app
```

### 2. Install Dependencies

- Navigate to the project folder.

- Install all required dependencies using:

**Commands:**

`npm install`

### 3. Start the Development Server

- Run the application locally using the Angular CLI:

**Commands:**

`ng serve`

- This will start the server, and the application will be available at:  
**<http://localhost:4200/>**

### 4. Open the Application in Your Browser

- Navigate to **<http://localhost:4200/products>** to view the **Product List Page**.
- Click on a product to navigate to **<http://localhost:4200/products/:id>** for detailed information.