Angular Exercise

The application should be a really simple product management application. The domain of the application consists of

- **Product** (id: string, name: string, price: number)
- **Customer** (id: string, name: string, email: string, products: Product[] = []).

The whole idea of this simple exercise is that platform managers can have access to all the customers and products and manage them from the website. They should be able to view the whole products on the system and also view all of the customers.

While this is the domain of the application, we should not be concerned with all the requirements and just focus on the list of tasks that should be done.

The application should be built in a modular way to allow further upgrades and extensions

When working on the application, please focus on the following things:
- **Modularity and extensibility**
- **No backend requests (we will not use a backend for this exercise)**
- **Use Git for Version Control and send us the project URL**
- **Host the application on Heroku (https://www.heroku.com/) and send us the website url of the hosted application**

Required tasks:
1. Creating an Angular Project
2. Setting up routes for managing the products and routes for managing the customers
3. For the products, use 2 different representations for the data
   a. List view
   b. Grid view

Both of these product representations should reside on the same page.
The data that should be shown for the product is
- Product name
- Product price (2 decimals always).
- Delete button (used for removing the item)

Each product should have a delete button mentioned above. When clicked, the item should be removed both from the list view and the grid view.

4. Create a component that would list all of the customers
5. Create a component that will be used to add a new customer
   a. The customer should have some random value (we do not need to care about the id at the moment)
   b. A required name
   c. A required valid email address

Upon creating the new customer we should be redirected to the customer's list and see the new item there.