Assign 02

Due Date and time: 03/10/2022 11:59 pm   **Total points: 7**

In this assignment, you will practice components, in-built directives, and data bindings. Create a new angular project "assign02" using angular-cli tool.
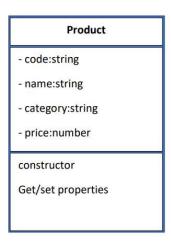
```
D:\OneDrive\███ ███████████████████████\CIS-345 AngularJS\Workspace>ng new assign02
? Would you like to add Angular routing? No
? Which stylesheet format would you like to use? CSS
CREATE assign02/angular.json (3051 bytes)
```

Go to your project folder and create a new component "products-list" as shown below

```
D:\OneDrive\███ ████████████████████████\CIS-345 AngularJS\Workspace\assign02>ng generate component products-list
CREATE src/app/products-list/products-list.component.html (28 bytes)
CREATE src/app/products-list/products-list.component.spec.ts (669 bytes)
CREATE src/app/products-list/products-list.component.ts (302 bytes)
CREATE src/app/products-list/products-list.component.css (0 bytes)
UPDATE src/app/app.module.ts (422 bytes)
```

You can use any editor of your choice or Visual studio code to open the project.

Clear everything from app.component.html file. This template will only display products-list component.

Add a product.model.ts class in app folder for this assignment. Later in future assignments, we will move model classes to their own module.

Product
- code:string
- name:string
- category:string
- price:number
constructor
Get/set properties

In the products-list component.ts file, you will use product model class to create an array of products _productList:Product[]; and populate it with following data in the constructor.

```
constructor() {
  this._productList = new Array<Product>(
    new Product('100','Cap','Winter wear',200),
    new Product('200','Jacket','Winter wear',1000),
    new Product('300','Coat','Winter wear',2090),
    new Product('400','Gloves','Winter wear',100),
    new Product('500','Guitar','Musical instruments',350)
  )
}
```

In addition to this basic code, you have to add more instance fields and methods in this class to get the expected output.
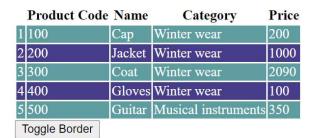
In template file of this component, you have two paragraphs, one table and one button html element.

Expected output + rubric:

1. Products-list component is created as instructed and working as expected in the root component. 1 point
2. Code is formatted and documented. .5 point
3. When displayed in browser – 2 points

First paragraph shows product count dynamically - don't hard code value. By default, there will be a red border which can be toggled later (border to no border to border) using "Toggle border" button.

Use *ngFor for displaying table and styling (color and background color) it dynamically. Make sure you add count information   dynamically.

4. When mouse goes over any of the product in the table then second paragraph will be styled differently (color, background color and border). You will also display selected product name. 2 points
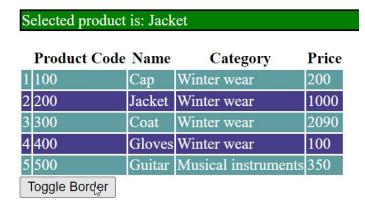
Use data binding for both tasks – displaying selected product name and styling second paragraph.

5. Toggle border button functionality – on click of the button toggle border of the first paragraph containing information about no. of products in the list. <mark>1.5 point</mark>

Use data binding to make this toggle functionality work.

Deliverable:

1. A zip file of "app" folder of your angular project or git link.

Submission:

1. Submit a zip file to canvas submission folder "Assign 02".