**FED-Angular-ngrx Coding Assignment-7**

**Pre-requisite:** **You should have completed FED-Angular Coding Assignment-2 before you can work on this coding assignment.**

This assignment involves using **ngrx** library to manage the “product state” of the application implemented for **FED-Angular Coding Assignment-2** (It is reproduced below once again for your reference). You need to understand the concepts of ngrx explained as part of the Angular session **[ Refer Demo Code 26 - a26-ngrx-app ]** and then implement. Also, refer [https://ngrx.o/docs](https://ngrx.io/docs) to get a detailed understanding of ngrx features.

**Note:** The working and output of the application implemented for **FED-Angular-ngrx Coding Assignment-7** will be similar to **Angular Assignment 02.** Difference is that ngrx library needs to be used to manage the product state of the application in **Angular Assignment 07**. On clicking the “Add Product” button, ngrx/store should dispatch the Add action. The Product List component should subscribe with the store for changes and on receiving store changes should update the product list.

After the implementation and testing of your application is complete, do the following:

1) Create a **zip of the "app" folder** where you would have implemented all the above-mentioned features.

2) The output screenshots are exactly like Angular Assignment 02. Send the output screenshots and the "app" folder zip to below email IDs before the specified target date:

[sandhya.murali1@wipro.com](mailto:sandhya.murali1@wipro.com)

ananth.kashyap@wipro.com

[srinivasan.mahadevan@wipro.com](mailto:srinivasan.mahadevan@wipro.com)

[venkatachalam.subra@wipro.com](mailto:venkatachalam.subra@wipro.com)

raghavendran.sethumadhavan1@wipro.com

**Note 1: Very Important: In the subject line Copy paste the name of this assignment i.e. “YourEmployeeID-YourFullName-Angular-Assignment-07”. We filter the mails using this text in the subject line. If you do not use this subject line, it will not get filtered and your submission will be missed.**

**Note2: Just the zip of “app” folder is enough, DO NOT zip the entire application folder structure and send.**

**FED Angular Coding Assignment 2 reproduced below again for your reference**

**FED-Angular Coding Assignment-2**

**Pre-requisite:** **You should have completed FED-Angular Coding Assignment-1 before you can work on this coding assignment.**

Practice the concepts and the relevant hands on exercises to complete this assignment.

**Refer the following screenshots files:**

**FED-Angular-Assignment-2 - InitialPage.jpg**

**FED-Angular-Assignment-2 - AfterAddingProduct.jpg**

Your application should have similar outputs.

1) Initial Page after the application is loaded

2) Page after adding the product to products list

On the **implementation of FED-Angular Coding Assignment-1**, you need to enhance with the following features.

1) The container component of Products component (i.e. AppComponent) should pass the company name to Products component. The Products component should receive it and display it in the "Products List" title as shown in InitialPage screenshot.

2) On adding a new product to the product list by providing the product name and quantity in the text box and clicking the "Add Product" button, the product name and quantity should be passed from the Products Component to the AppComponent and the AppComponent should display the recently added product as shown in AfterAddingProduct screenshot.

**Note 1:** **Product name and quantity should be passed from Products component to AppComponent. In case, you face difficulty in passing both, at least first try passing the product name only and display in AppComponent. After that explore how you can pass the Product object containing product name and quantity.**

**Note: 2:** **Regarding display of "Recently added product" by AppComponent, the initial page SHOULD NOT display the "Recently added product" information like shown in the InitialPage screenshot. Only after a product is added, it should get displayed. i.e. You should display it conditionally. Think of the concepts which were taught that you can use it for this purpose.**

3) Each component should display the various HTML elements in different colors using the styles specific to the components. Do not use global styles.