Angular

KO observation 1:
Ability to create an Angular application using Typescript & Angular CLI
KO observation 2:
Ability to use and create angular modules, components, controllers
KO observation 3:
Ability to use & create angular service, providers and directives and able to differentiate them
KO observation 4:
Ability to use Routing (module, component), lazy loading of components

Non-KO observation 1:
Ability to apply angular material design
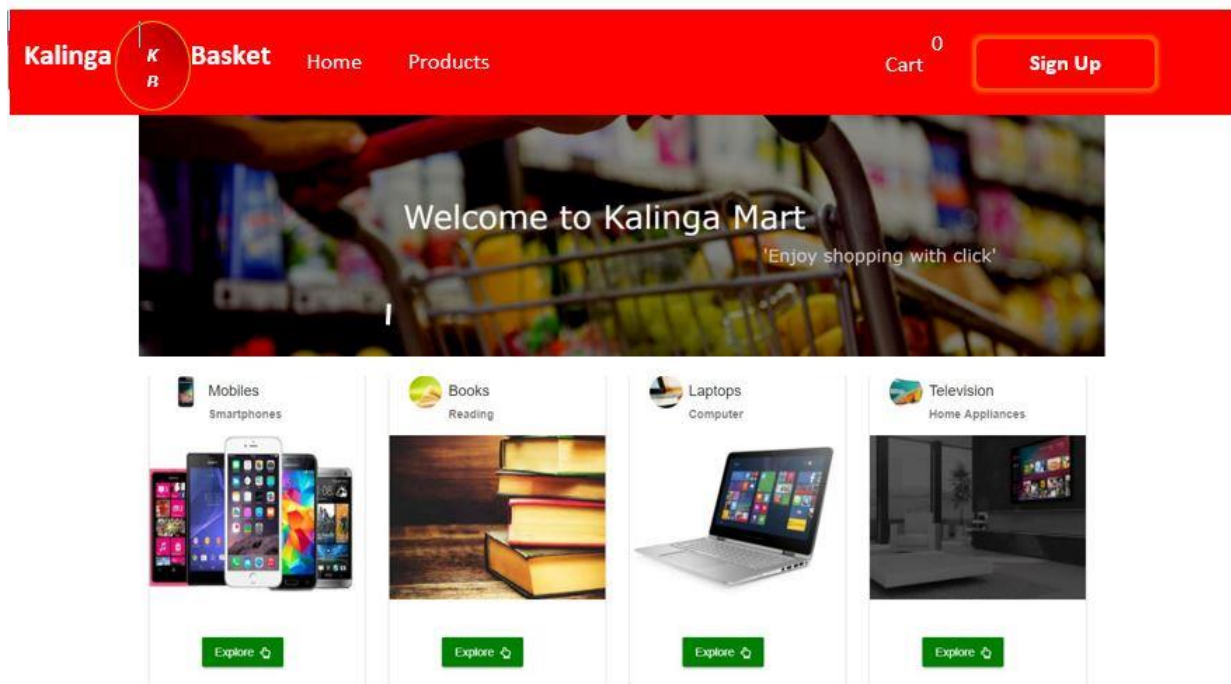Non-KO observation 2:
Ability to apply lifecycle hooks

Problem Statement

➔ Design an e-commerce website called as "KalingaBasket" where users would be able to browse, add and delete products from their cart. There should be three links like Home, Products and Cart to navigate the pages.
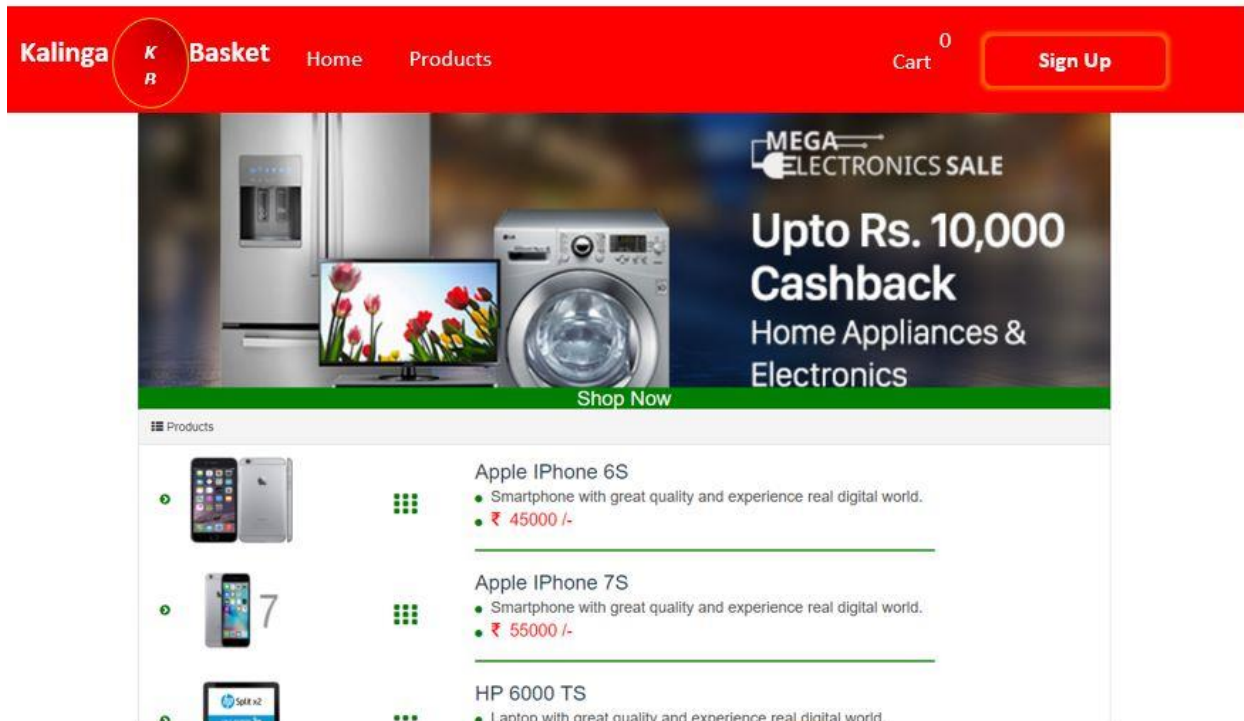
Assignment

→ Create an Angular App named as "Kalinga-Basket" using Angular CLI in the Visual Studio Code IDE

→ Design a homepage as given below or you can improvised as per your choice. The homepage contains three router links namely "Home", "Products", "Cart". The header of the App is fixed. There should be three components HomeComponent, ProductsComponent, CartComponent. You also need to take care of lazy loading of components by using Angular concepts on lazy loading. Ensure proper modularity and make proper use of NgModules.
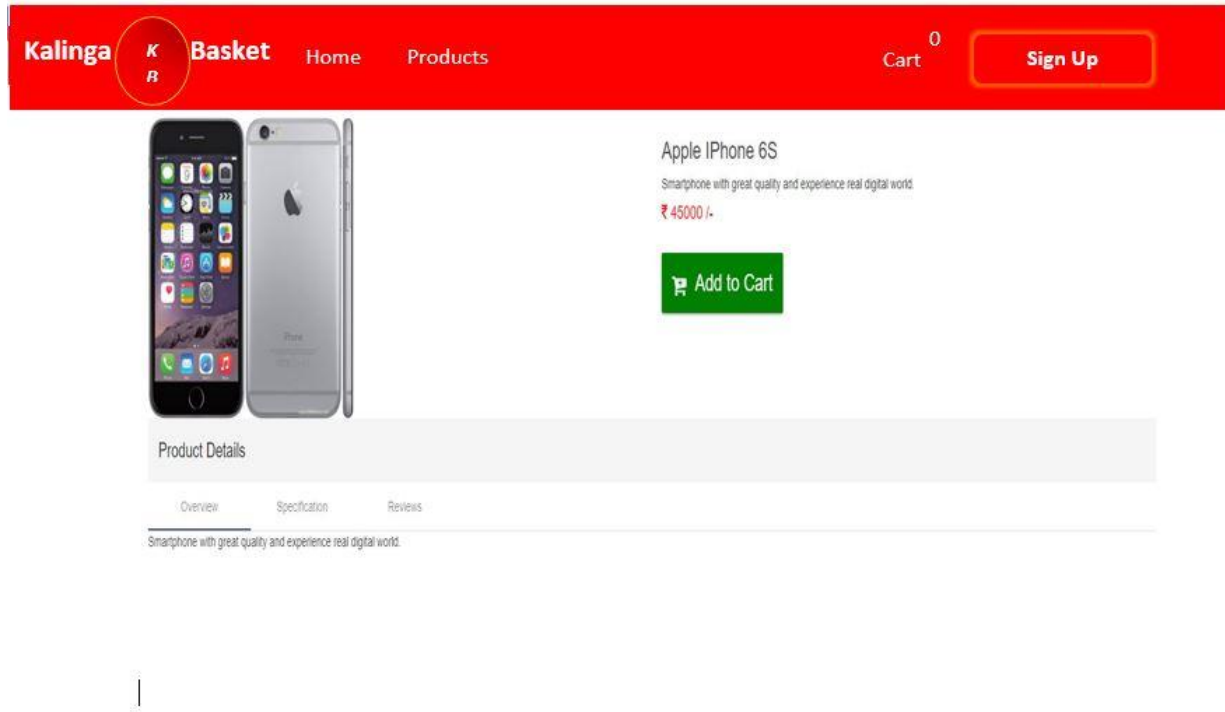

→ On clicking Products, the page should retrieve list of products from Products.json. Store some products in a json file named as "Products.json" and you can have following attributes for a product:-
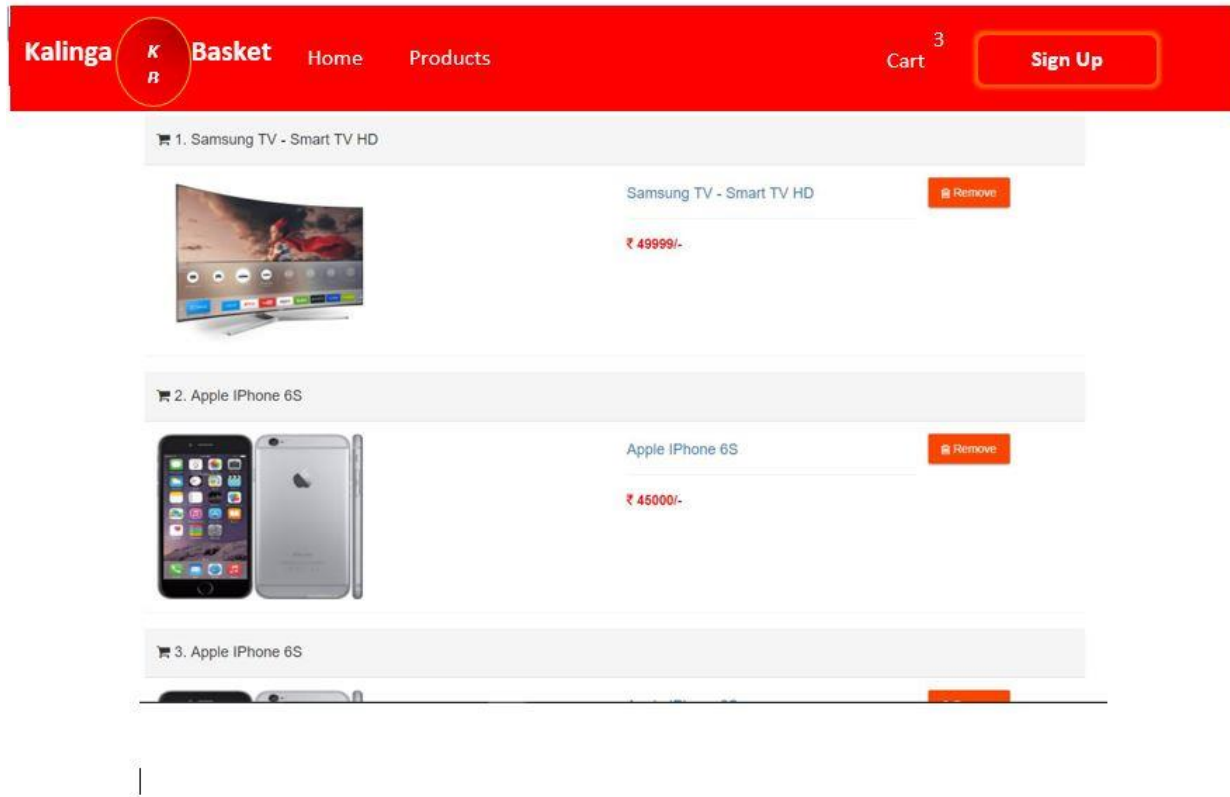
```
{"id":1,"name":"Apple IPhone
6S","category":"Mobiles","description":"Smartphone  with great
quality and experience real digital
world.","shortDescription":"","price":45000.0,"image":"../../ass
ets/images/apple-iphone-6-1.jpg"}
```

→ On clicking any individual product, the user should be able to see another page containing details of the product. You can retrieve the details by searching the product from "Products.json".

Kalinga **KB** Basket   Home   Products   0
                                                                        Cart   **Sign Up**

Apple IPhone 6S

Smartphone with great quality and experience real digital world

₹ 45000 /-

🛒 Add to Cart

Product Details

Overview   Specification   Reviews

Smartphone with great quality and experience real digital world.

→ On clicking "Add to Cart", the Cart on the header should get updated and on clicking the Cart, the added products should be displayed as shown below.

→ Use typescript concepts and angular concepts to render the page elements. No need of storing comments in the database, instead use maps and other ES6 concepts to achieve the desired output.

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→ Use angular material design to design the page components as per your need. Also, you can design the layout using angular material design layouts principles or use bootstrap for styling.

Level 1:- The entire app is based on Angular and ES6, Typescript concepts. No need of server side programming.

Level 2:- Use any of server side language like Node JS, Java, DotNet and exposed the REST APIs to the frontend i.e. Angular. Use Databases like MySQL or MS-SQL or MongoDB.

*************End of Document***************