# API-CODECHALLENGE

**REQUIREMENT SPECIFICATION**

XYZ Shops Ltd provides shopping services across different categories of products for users across India.

XYZ Shops Ltd has recently planned to automate “Online Shopping Cart” a Web application intended to be used by users for online and easy shopping through internet wherein a user can also view the description of given products. The company is planning to support their customers for online shopping across many cities in India.

**Scope and Overview:**

The scope of the Online Shopping Cart will be to provide the functionality as described in Functional Requirements below. The application will be developed on a Windows machine using ASP.NET Core Web API, C#,etc.

**Functional Requirements**

Below is the service-wise breakup of the requirements.

**Product Service**

* Add the Product Details
* Modify the Product Details
* Delete the Product Details
* Users are allowed to search for the product details using the Product name OR the Product category.
* Users are allowed to search for the product details using Product category.

**Order Service**

* The users are allowed to Place the Order by selecting the Products.
* The users are allowed to View the list items ordered.
* The users are allowed to Delete the Products from the Order

**Entities Structure**

Product Order

|  |  |
| --- | --- |
| Product Id(Auto Incremented) | OrderId |
| ProductName | ProductId |
| Category | OrderDate |
| Price | Quantity |
| Stock | Amount |