

# E-commerce Platform with Orders, Customers, and Products

## Class: Customer

### - Attributes:

- Name : string
- CustomerID : string
- Orders : List<Order>

### - Methods:

- PlaceOrder(order : Order)
- ViewOrders()

## Class: Product

### - Attributes:

- Name : string
- ProductID : string
- Price : double

## Class: Order

### - Attributes:

- OrderID : string
- Products : List<Product>
- Customer : Customer

### - Methods:

- AddProduct(product : Product)
- RemoveProduct(product : Product)
- CalculateTotal()

## Relationships:

- Aggregation: Order aggregates Products
- Association: Customer ↔ Order