**Class Diagrams**

Here are the class diagrams for the system:

1. **Product Class Diagram**

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| Product |
| \_name: string  \_productId: string  \_price: double  \_quantity: int |
| TotalCost(): double  GetProductInfo(): string |

1. Customer Class Diagram

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| Customer |
| \_name: string  \_address: Address |
| IsInUSA(): bool  GetName(): string  GetAddress(): Address |

1. Address Class Diagram

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| Address |
| \_street: string  \_city: string  \_state: string  \_country: string |
| IsInUSA(): bool  GetFullAddress(): string |



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| --- |
| Order |
| \_product: List<Product>  \_customer: Customer |
| AddProduct(product: Product): void  CalculateTotalPrice(): double  GetPackingLabel(): string  GetShippingLabel(): string |