```
public enum CustomerStatus
{
    Active = 0,
    Suspended = 1,
    Closed = 2
}


public enum OrderStatus
{
    Submitted = 0,
    Paid = 1,
    Fulfilled = 2,
    Cancelled = 3,
    Refunded = 4
}
```

```
public class Customer
{
    public long Id { get; set; }
    public string ExternalId { get; set; } = string.Empty;
    public string Email { get; set; } = string.Empty;
    public string DisplayName { get; set; } = string.Empty;
    public CustomerStatus Status { get; set; }
    public string CountryCode { get; set; } = string.Empty;
    public string Region { get; set; } = string.Empty;
    public DateTime CreatedAtUtc { get; set; }
    public DateTime? LastLoginAtUtc { get; set; }
    public decimal LifetimeValue { get; set; }
    public int RiskScore { get; set; }

    public ICollection<Order> Orders { get; } = new List<Order>();
}
```

```
public class Order
{
    public long Id { get; set; }
    public string OrderNumber { get; set; } = string.Empty;
    public long CustomerId { get; set; }
    public OrderStatus Status { get; set; }
    public DateTime OrderedAtUtc { get; set; }
    public DateTime? PaidAtUtc { get; set; }
    public decimal Subtotal { get; set; }
    public decimal DiscountTotal { get; set; }
    public decimal TaxTotal { get; set; }
    public decimal ShippingTotal { get; set; }
    public decimal GrandTotal { get; set; }
    public int ItemCount { get; set; }

    public Customer Customer { get; set; } = null!;
    public ICollection<OrderItem> Items { get; } = new List<OrderItem>();
    public ICollection<ShipmentEvent> ShipmentEvents { get; } = new List<ShipmentEvent>();
}
```

```
public class OrderItem
{
    public long OrderId { get; set; }
    public int LineNumber { get; set; }
    public long ProductId { get; set; }
    public int Quantity { get; set; }
    public decimal UnitPrice { get; set; }
    public decimal DiscountAmount { get; set; }
    public decimal TaxAmount { get; set; }

    public Order Order { get; set; } = null!;
    public Product Product { get; set; } = null!;
}
```

```
public class ShipmentEvent
{
    public long Id { get; set; }
    public long OrderId { get; set; }
    public string EventType { get; set; } = string.Empty;
    public string Carrier { get; set; } = string.Empty;
    public string FacilityCode { get; set; } = string.Empty;
    public DateTime OccurredAtUtc { get; set; }

    public Order Order { get; set; } = null!;
}
```

```
public class Product
{
    public long Id { get; set; }
    public string Sku { get; set; } = string.Empty;
    public string Name { get; set; } = string.Empty;
    public string Brand { get; set; } = string.Empty;
    public string Category { get; set; } = string.Empty;
    public decimal ListPrice { get; set; }
    public decimal UnitCost { get; set; }
    public bool IsActive { get; set; }
    public DateTime CreatedAtUtc { get; set; }

    public ICollection<OrderItem> OrderItems { get; } = new List<OrderItem>();
}
```