E-Commerce ASP.NET Core Models

# User.cs

public class User  
{  
 public int Id { get; set; }  
 public string Name { get; set; } = default!;  
 public string Email { get; set; } = default!;  
 public string Password { get; set; } = default!;  
 public string Role { get; set; } = "User";  
  
 public ICollection<Order> Orders { get; set; } = new List<Order>();  
 public ICollection<Cart> Carts { get; set; } = new List<Cart>();  
 public ICollection<Address> Addresses { get; set; } = new List<Address>();  
 public ICollection<Review> Reviews { get; set; } = new List<Review>();  
}

# Product.cs

public class Product  
{  
 public int Id { get; set; }  
 public string Name { get; set; } = default!;  
 public decimal Price { get; set; }  
 public int Stock { get; set; }  
 public string? Description { get; set; }  
 public string? ImageUrl { get; set; }  
  
 public int CategoryId { get; set; }  
 public Category? Category { get; set; }  
  
 public ICollection<OrderItem> OrderItems { get; set; } = new List<OrderItem>();  
 public ICollection<Cart> Carts { get; set; } = new List<Cart>();  
 public ICollection<Review> Reviews { get; set; } = new List<Review>();  
}

# Category.cs

public class Category  
{  
 public int Id { get; set; }  
 public string Name { get; set; } = default!;  
   
 public ICollection<Product> Products { get; set; } = new List<Product>();  
}

# Order.cs

public class Order  
{  
 public int Id { get; set; }  
 public DateTime OrderDate { get; set; }  
 public string Status { get; set; } = "Pending";  
 public decimal TotalAmount { get; set; }  
  
 public int UserId { get; set; }  
 public User? User { get; set; }  
  
 public ICollection<OrderItem> OrderItems { get; set; } = new List<OrderItem>();  
 public Payment? Payment { get; set; }  
}

# OrderItem.cs

public class OrderItem  
{  
 public int Id { get; set; }  
  
 public int OrderId { get; set; }  
 public Order? Order { get; set; }  
  
 public int ProductId { get; set; }  
 public Product? Product { get; set; }  
  
 public int Quantity { get; set; }  
 public decimal Price { get; set; }  
}

# Cart.cs

public class Cart  
{  
 public int Id { get; set; }  
  
 public int UserId { get; set; }  
 public User? User { get; set; }  
  
 public int ProductId { get; set; }  
 public Product? Product { get; set; }  
  
 public int Quantity { get; set; }  
}

# Payment.cs

public class Payment  
{  
 public int Id { get; set; }  
 public string PaymentMethod { get; set; } = default!;  
 public DateTime PaymentDate { get; set; }  
 public string Status { get; set; } = "Pending";  
  
 public int OrderId { get; set; }  
 public Order? Order { get; set; }  
}

# Address.cs

public class Address  
{  
 public int Id { get; set; }  
 public string City { get; set; } = default!;  
 public string State { get; set; } = default!;  
 public string Country { get; set; } = default!;  
 public string ZipCode { get; set; } = default!;  
  
 public int UserId { get; set; }  
 public User? User { get; set; }  
}

# Review.cs

public class Review  
{  
 public int Id { get; set; }  
 public int Rating { get; set; }  
 public string? Comment { get; set; }  
 public DateTime CreatedAt { get; set; } = DateTime.UtcNow;  
  
 public int UserId { get; set; }  
 public User? User { get; set; }  
  
 public int ProductId { get; set; }  
 public Product? Product { get; set; }  
}