1. Sản phẩm & Danh mục

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| public class Product  {  public int ProductID { get; set; }  public string Name { get; set; }  public string Description { get; set; }  public decimal Price { get; set; }  public int Stock { get; set; }  public int CategoryID { get; set; }  public int BrandID { get; set; }  public Category Category { get; set; }  public Brand Brand { get; set; }  public List<ProductVariant> Variants { get; set; }  public List<ProductImage> Images { get; set; }  public List<ProductReview> Reviews { get; set; }  } |
| public class Category  {  public int CategoryID { get; set; }  public string Name { get; set; }  public string Description { get; set; }  public List<Product> Products { get; set; }  } |
| public class Brand  {  public int BrandID { get; set; }  public string Name { get; set; }  public List<Product> Products { get; set; }  } |
| public class ProductVariant  {  public int ProductVariantID { get; set; }  public int ProductID { get; set; }  public string Color { get; set; }  public string Size { get; set; }  public int Stock { get; set; }  public Product Product { get; set; }  } |
| public class ProductImage  {  public int ProductImageID { get; set; }  public int ProductID { get; set; }  public string ImageURL { get; set; }  public Product Product { get; set; }  } |
| public class ProductReview  {  public int ProductReviewID { get; set; }  public int ProductID { get; set; }  public int UserID { get; set; }  public int Rating { get; set; }  public string Comment { get; set; }  public DateTime CreatedAt { get; set; }  public Product Product { get; set; }  public User User { get; set; }  } |

1. Đơn hàng & Thanh toán

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| public class Order  {  public int OrderID { get; set; }  public int UserID { get; set; }  public decimal TotalAmount { get; set; }  public string Status { get; set; } // pending, shipped, delivered  public DateTime CreatedAt { get; set; }  public User User { get; set; }  public List<OrderDetail> OrderDetails { get; set; }  public Payment Payment { get; set; }  } |
| public class OrderDetail  {  public int OrderDetailID { get; set; }  public int OrderID { get; set; }  public int ProductID { get; set; }  public int Quantity { get; set; }  public decimal Price { get; set; }  public Order Order { get; set; }  public Product Product { get; set; }  } |
| public class Payment  {  public int PaymentID { get; set; }  public int OrderID { get; set; }  public string PaymentMethod { get; set; } // Credit Card, PayPal, COD  public bool IsPaid { get; set; }  public DateTime PaidAt { get; set; }  public Order Order { get; set; }  } |

1. Người dùng & Quản lý

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| public class User  {  public int Id { get; set; }  public string FullName { get; set; }  public string Email { get; set; }  public string Phone { get; set; }  public string Role { get; set; } // customer, admin  public List<Order> Orders { get; set; }  public List<UserAddress> Addresses { get; set; }  } |
| public class UserAddress  {  public int UserAddressID { get; set; }  public int UserID { get; set; }  public string Address { get; set; }  public string City { get; set; }  public string PostalCode { get; set; }  public User User { get; set; }  } |
| public class Cart  {  public int CartID { get; set; }  public int UserID { get; set; }  public int ProductID { get; set; }  public int Quantity { get; set; }  public User User { get; set; }  public Product Product { get; set; }  } |
| public class Wishlist  {  public int WishlistID { get; set; }  public int UserID { get; set; }  public int ProductID { get; set; }  public User User { get; set; }  public Product Product { get; set; }  } |

1. Hệ thống

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| public class Discount  {  public int DiscountID { get; set; }  public string Code { get; set; }  public decimal Percentage { get; set; }  public DateTime ExpiryDate { get; set; }  } |
| public class Transaction  {  public int TransactionID { get; set; }  public int OrderID { get; set; }  public decimal Amount { get; set; }  public string Status { get; set; } // success, failed  public DateTime CreatedAt { get; set; }  public Order Order { get; set; }  } |
| public class Log  {  public int LogID { get; set; }  public string Action { get; set; }  public string Details { get; set; }  public DateTime CreatedAt { get; set; }  } |











