Entity	Property	Type	Default	Nullable	Relationship	Notes
User	UserId	PK, int, identity			PK → Payment.UserId (1:N), Order.UserId (1:N), Recommendation.UserId (1:N)	
	FirstName	nvarchar 50				
	LastName	nvarchar 50				
	Email	nvarchar 100				
	PasswordHash	nvarchar 255				
	Role	nvarchar 20	'User'			
	CreatedAt	datetime	GETDATE()			
PaymentMethod	PaymentMethodId	PK, int, identity			PK → Payment.PaymentMethodId (1:N)	
	UserId	FK(User), int			FK → User(UserId) (N:1)	
	Provider	nvarchar 20				
	Last4	char 4				
	AddedAt	datetime	GETDATE()			
Order	OrderId	PK, int, identity			PK → Payment.OrderId (1:N)	
	UserId	FK(User), int			FK → User(UserId) (N:1)	
	OrderDate	datetime	GETDATE()			
	Status	nvarchar 20	'Pending'			
	TotalAmount	decimal(10,2)				
Payment	PaymentId	PK, int, identity			PK	
	OrderId	FK(Order), int			FK → Order(OrderId) (1:1)	
	PaymentMethodId	FK(PaymentMethod), int			FK → PaymentMethod(PaymentMethodId) (1:1)	
	Amount	decimal(10,2)				
	Status	nvarchar 20				
	PaidAt	datetime	GETDATE()			
Product	ProductId	PK, int, identity			PK → Recommendation.ProductId (1:N), OrderItem.ProductId (1:N), ProductCategory (1:N)	
	Title	nvarchar 100				
	Description	nvarchar max				
	Price	decimal(10,2)				
	StockQuantity	int	1			
	ImageUrl	nvarchar 255				
	IsActive	bit				
	CreatedAt	datetime	GETDATE()			
Recommendation	RecommendationId	PK, int, identity			PK	
	UserId	FK(User), int			FK → User(UserId) (N:1)	
	ProductId	FK(Product), int			FK → Product(ProductId) (N:1)	
	Source	nvarchar 50				
	Reason	nvarchar 255				
	CreatedAt	datetime	GETDATE()			
OrderItem	OrderItemId	PK, int, identity			PK	
	OrderId	FK(Order), int			FK → Order(OrderId) (N:1)	
	ProductId	FK(Product), int			FK → Product(ProductId) (N:1)	
	Quantity	int				
	UnitPrice	decimal(10,2)				
	LineTotal	decimal(10,2)				
Catagory	CategoryId	PK, int, identity			PK → ProductCategory (1:N)	
	Name	nvarchar 50				
	Description	nvarchar max				
ProductCategory						