

You are tasked with designing a relational database schema for a simple e-commerce platform using .NET. The platform needs to manage users, products, orders, payments, product reviews, and categories.

The goal is to create the schema by writing the necessary classes and applying migrations to generate the database. There is no need to implement any frontend; your focus is on the backend database design.

Requirements:

1. Users:

- Users can register on the platform, providing their name, email, and password.
- Each user can have only one profile, which stores additional information like shipping address, phone number, etc.
- Users can place multiple orders.

2. Products:

- The platform sells various products. Each product should have details like name, description, price, and stock quantity.

3. Orders:

- Each order can include multiple products.
- The order should store the total amount, order date, and status (e.g., "Pending", "Shipped", "Delivered").

4. Categories:

- Products can be categorized.
- Categories should have attributes like name and description.

5. Reviews:

- Users can leave reviews for products. Each review should have a rating, a comment, and a timestamp.

6. Payments:

- Payments for orders should store information like payment method (e.g., "Credit Card", "PayPal"), payment date, and payment amount.