

Class Diagram & Database Diagram

Category
+ id: long
+ category: String
+ products: List<Products>

Products
+ id: long
+ p_name: String
+ attributes: Map<String, String>
+ price: double
+ stocks: int
+ category: Category

User
+ id: int
+ username: String
+ role: String
+ password: String
+ name: String

Relationships:

- Category 1 --- * Products (One-to-Many)
- Products * --- 1 Category (Many-to-One)
- Attributes are stored in a separate table via @ElementCollection