

PRODUCT CATALOGUE [V1]

Entity And Attribute List

Catalogue

- catalogue_id INT NOT NULL (PK)
- catalogue_name VARCHAR NOT NULL
- catalogue_description VARCHAR
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_by VARCHAR (50)
- updated_at DATETIME NOT NULL

Category

- category_id INT NOT NULL (PK)
- category_name VARCHAR (50) NOT NULL
- category_description VARCHAR (100)
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_by VARCHAR (50)
- updated_at DATETIME NOT NULL

Product

- product_id INT NOT NULL (PK)
- product_name VARCHAR (50) NOT NULL
- product_description VARCHAR (100)
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_by VARCHAR (50)
- updated_at DATETIME NOT NULL
- category_id INT NOT NULL (FK)

Product_Price

- product_price_id INT NOT NULL (PK)
- price_amount BIGINT NOT NULL
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_at DATETIME NOT NULL
- updated_by VARCHAR (50)

- product_id INT NOT NULL (FK)
- currency_id INT NOT NULL (FK)

Currency

- currency_id INT NOT NULL (PK)
- currency_code VARCHAR (5)
- currency_name VARCHAR (10)
- currency_symbol VARCHAR (5)
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_at DATETIME NOT NULL
- updated_by VARCHAR (50)

Catalogue_Category

- catalogue_category_id INT NOT NULL (PK)
- catalogue_id INT NOT NULL (
- category_id INT NOT NULL (FK)
- created_at DATETIME NOT NULL
- created_by VARCHAR (50)
- updated_at DATETIME NOT NULL
- updated_by VARCHAR (50)

User

- user_id INT NOT NULL (PK)
- username VARCHAR (50)
- email VARCHAR (100)
- full_name VARCHAR (5)
- role VARCHAR (20) NOT NULL
- updated_at DATETIME NOT NULL
- created_at DATETIME NOT NULL

Database Entity Relationships

Catalogue : Catalogue_Category (1:M)

- One catalogue can have many catalogue_category entries

Category : Catalogue_Category (1:M)

- One category can be in many catalogue_category entries

Catalogue : Category (M:N)

- Many catalogues can contain many categories (via junction table)

Category : Product (1:M)

- One category can have many products

Product : Category (M:1)

- Many products can belong to one category

Product : Product_Price (1:M)

- One product can have many prices entries

Product_Price : Product (M:1)

- Many price entries can belong to one product

Product_Price : Currency (M:1)

- Many price entries can be in one currency

Currency : Product_Price (1:M)

- One currency can be used for many prices entries

User

- Not related to any other tables in the current ERD

