**ĐẶC TẢ CƠ SỞ DỮ LIỆU**

# 1. Media

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | yes | ID, auto increment | PK |
| 2 | category | Varchar(45) | yes | Media type |  |
| 3 | Price | integer | yes | Current price |  |
| 4 | Quantity | Integer | Yes | Number of products |  |
| 5 | Title | Varchar(45) | Yes | Product name |  |
| 6 | Value | Integer | Yes | Value of the product |  |
| 7 | imageUrl | Varchar(45) | Yes | Product image path |  |

# 2. Book

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | integer | Yes | ID, same as ID of Media of which type is Book | FK |
| 2 | author | Varchar(45) | Yes | Author |  |
| 3 | coverType | Varchar(45) | Yes | Cover Type |  |
| 4 | Publisher | Varchar(45) | Yes | Publishing house |  |
| 5 | publishDate | DateTime | Yes | Date of publishing |  |
| 6 | numberOfPages | Integer | Yes | Page number |  |
| 7 | language | Varchar(45) | Yes | Language |  |
| 8 | bookCategory | Varchar(45) | Yes | Book category |  |

# 3. CD

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | integer | Yes | ID, same as ID of Media of which type is CD | FK |
| 2 | artist | Varchar(45) | Yes | Artist’s name |  |
| 3 | recordLabel | Varchar(45) | Yes | Record label |  |
| 4 | musicType | Varchar(45) | Yes | Music genres |  |
| 5 | releasedDate | Date | No | Release date |  |

# 4. Card

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID, auto increment | PK |
| 2 | cardCode | Varchar(45) | Yes | Card code |  |
| 3 | owner | Varchar(45) | Yes | Cardholders |  |
| 4 | cvvCode | Varchar(45) | Yes | CVV code |  |
| 5 | dateExpired | Varchar(45) | Yes | Expiration date |  |

# 5. DVD

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID, same as ID of Media of which type is ID | FK |
| 2 | discType | Varchar(45) | Yes | DiscType |  |
| 3 | director | Varchar(45) | Yes | Director |  |
| 4 | runtime | Integer | Yes | Duration |  |
| 5 | studio | Varchar(45) | Yes | Manufacturer |  |
| 6 | subtitle | Varchar(45) | Yes | Subtitles |  |
| 7 | releaseDate | Datetime | Yes | Release date |  |
| 8 | filmType | Varchar(45) | Yes | Genres |  |

# 6. DeliveryInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID, auto increment | PK |
| 2 | name | Varchar(45) | Yes | Receiver name |  |
| 3 | province | Varchar(45) | Yes | Provinces |  |
| 4 | instructions | Varchar(200) | No | Delivery instructions |  |
| 5 | address | Varchar(100) | Yes | Delivery address |  |

**7. Order**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID | PK |
| 2 | shippingFees | Varchar(45) | Yes | Shipping fee |  |
| 3 | deliveryInfoId | Integer | Yes | Delivery Info ID | FK |

**8. OrderMedia**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | mediaID | Integer | Yes | Media ID | FK |
| 2 | orderID | Integer | Yes | Order ID | FK |
| 3 | price | Integer | Yes | Selling price |  |
| 4 | quantity | Integer | Yes | Number |  |

**9. Invoice**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID | PK |
| 2 | totalAmount | Integer | Yes | Total |  |
| 3 | orderId | Integer | Yes | Order ID | FK |

**10. PaymentTransaction**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| STT | Column Name | Data type | Mandatory | Description | Key |
| 1 | id | Integer | Yes | ID | PK |
| 2 | createAt | DateTime | Yes | Date of creation |  |
| 3 | content | Varchar(45) | Yes | Transaction contents |  |
| 4 | method | Varchar(45) | Yes | Payment methods |  |
| 5 | cardId | Integer | Yes | ID of used card | FK |
| 6 | invoiceId | Integer | Yes | Invoice ID | FK |