* **Media**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes | id, auto increment |
| 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 |

* **CD**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 |  | x | id | Integer | Yes | ID, same as ID of Media of which type is CD |
| 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 |

* **Book**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 |  | x | id | int | Yes | ID, same as ID of Media of which type is Book |
| 2 |  |  | author | varchar(45) | Yes | Author |
| 3 |  |  | coverType | varchar(45) | Yes | CoverType |
| 4 |  |  | Publisher | varchar(45) | Yes | Publishing house |
| 5 |  |  | PublishDate | DATETIME | Yes | Date of Publishing |
| 6 |  |  | numberOfPages | int | Yes | Page number |
| 7 |  |  | language | varchar(45) | Yes | language |
| 8 |  |  | bookCategory | varchar(45) | Yes | Book category |

**DVD**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 |  | x | id | int | Yes | Id, same as Id of Media of which type is DVD |
| 2 |  |  | discType | varchar(45) | Yes | Disc type |
| 3 |  |  | director | varchar(45) | Yes | director |
| 4 |  |  | runtime | int | Yes | duration |
| 5 |  |  | studio | varchar(45) | Yes | manufacturer |
| 6 |  |  | subtitle | varchar(45) | Yes | Subtitles |
| 7 |  |  | releasedDate | datetime | Yes | Release Date |
| 8 |  |  | filmType | varchar(45) | Yes | Genres |

* **Card**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | int | Yes | Id, auto increment |
| 2 |  |  | cardCode | varchar(45) | Yes | Code of card |
| 3 |  |  | owner | varchar(45) | Yes | Card holder |
| 4 |  |  | cvvCode | varchar(3) | Yes | Cvv code |
| 5 |  |  | dateExpired | varchar(4) | Yes | Expiration date |

* **DeliveryInfo**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | int | Yes | Id, auto increment |
| 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 |

* **Order**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Int | Yes | ID |
| 2 |  |  | shippingFees | float | Yes | Shipping fee |
| 3 |  | x | deliveryInfoId | int | Yes | Delivery info ID |

* **RushOrder**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | int | Yes | ID |
| 2 |  |  | shippingFees | float | Yes | Shipping fee |
| 3 |  | x | deliveryInfoId | int | Yes | Delivery info ID |
| 4 |  |  | expectedTime | time | Yes | Expected time |

* **OrderMedia**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 |  | x | mediaID | int | Yes | MediaID |
| 2 |  | x | orderID | int | Yes | OrderId |
| 3 |  |  | price | int | Yes | Selling Price |
| 4 |  |  | quantity | int |  | Number |

* **Invoice**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | int | Yes | ID |
| 2 |  |  | totalAmount | int | Yes | Total |
| 3 |  | x | orderId | int | Yes | Order ID |

* **PaymentTransaction**

| # | PK | FK | Column Name | Data Type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | int | Yes | ID |
| 2 |  |  | createAt | datetime | Yes | Date of creation |
| 3 |  |  | content | varchar(45) | Yes | Transaction contents |
| 4 |  |  | method | varchar(45) | Yes | Payment methods |
| 5 |  | x | cardId | int | Yes | Id of used card |
| 6 |  | x | invoiceId | int | Yess | Invoice id |