1. Media

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 | x |  | id | integer | yes | ID |
| 2 |  |  | category | VARCHAR(45) | yes | Media type: CD, DVD,  Book |
| 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 product |
| 7 |  |  | imageURL | VARCHAR(45) | yes | Product image path |
| 8 |  |  | supportRush  Order | Bit | yes | Support Rush Order or  Not |
| 9 |  |  | weight | Float | No | Weight to calculate  Shipping Fee |

1. CD

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | 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 |  |  | releaseDate | DATE | No | Release Date |

1. Book

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 |  | x | id | integer | yes | ID, same as ID of Media  of which type is Book |
| 2 |  |  | author | VARCHAR(45) | yes | Author’s name |
| 3 |  |  | coverType | VARCHAR(45) | Yes | Type of cover |
| 4 |  |  | publisher | VARCHAR(45) | Yes | Publishing house |
| 5 |  |  | publishDate | DATE | Yes | Date of publishing |
| 6 |  |  | numberOfPage | Integer | yes | Page Number |
| 7 |  |  | language | VARCHAR(45) | Yes | Language |
| 8 |  |  | bookCategory | VARCHAR(45) | Yes | Book category |

1. DVD

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 |  | x | id | integer | 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 | Integer | Yes | Duration |
| 5 |  |  | studio | VARCHAR(45) | Yes | Manufacturer |
| 6 |  |  | subtitle | VARCHAR(45) | yes | Subtitle |
| 7 |  |  | releaseDate | DATE | Yes | Release date |
| 8 |  |  | Film Type | VARCHAR(45) | Yes | Genres |

1. DeliveryInfo

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 | x |  | id | Integer | 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 |

1. Order

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 | x |  | id | Integer | Yes | ID |
| 2 |  |  | shippingFees | VARCHAR(45) | Yes | Shipping fee |
| 3 |  | x | deliveryInfoId | Integer | Yes | Delivery Info ID |

1. OrderMedia

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 |  | x | mediaID | Integer | Yes | Media ID |
| 2 |  | x | orderID | Integer | Yes | Order ID |
| 3 |  |  | price | Integer | Yes | Selling price |
| 4 |  |  | quantity | Integer | Yes | Number |
| 5 |  |  | isRushOrder | Bit | Yes | Rush Order or No |

1. Invoice

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 | x |  | id | Integer | Yes | ID |
| 2 |  |  | totalAmount | Integer | Yes | Total of money |
| 3 |  | x | orderId | Integer | Yes | Order ID |

1. PaymentTransaction

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | PK | FK | Column Name | DataType | Mandatory | Description |
| 1 | x |  | id | Integer | Yes | ID |
| 2 |  |  | createAt | DATETIME | Yes | Date time of creation |
| 3 |  |  | content | VARCHAR(45) | Yes | Transaction contents |
| 4 |  |  | method | VARCHAR(45) | Yes | Payment methods |
| 5 |  |  | cardNumber | Integer | Yes | Number of used card |
| 6 |  | x | invoiceId | Integer | Yes | Invoice ID |