* Media

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes |  |
| 2 |  |  | category | Varchar(45) | Yes |  |
| 3 |  |  | price | Integer | Yes |  |
| 4 |  |  | quantity | Integer | Yes |  |
|  |  |  | title | Varchar(45) | Yes |  |
|  |  |  | value | Integer | Yes |  |
|  |  |  | imageUrl | Varchar(200) | Yes |  |
|  |  |  | fastShipping | Boolean | Yes |  |

* CD

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x | x | id | Integer | Yes | Giống Media |
| 2 |  |  | artist | Varchar(45) | Yes |  |
| 3 |  |  | recordLabel | Varchar(45) | Yes |  |
| 4 |  |  | musicType | Varchar(45) | Yes |  |
| 5 |  |  | realeaseDate | DATE | No |  |

* DVD

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x | x | id | Integer | Yes | Giống Media |
| 2 |  |  | discType |  | Yes | enum( 'HD\_DVD','Blu\_ray' )  default : HD\_DVD |
| 3 |  |  | runtime | Integer | Yes |  |
| 4 |  |  | director | Varchar(45) | Yes |  |
| 5 |  |  | studio | Varchar(45) | Yes |  |
| 6 |  |  | subtitle | Varchar(45) | Yes |  |
| 7 |  |  | realeaseDate | DATE | No |  |

* Book

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x | x | id | Integer | Yes | Giống Media |
| 2 |  |  | author | Varchar(45) | Yes |  |
| 3 |  |  | coverType |  | Yes | Enum ('hardcover','  paperback')  default : hardcover |
| 4 |  |  | publisher | Varchar(45) | Yes |  |
| 5 |  |  | publishDate | Date | Yes |  |
| 6 |  |  | numOfPages | Interger | Yes |  |
| 7 |  |  | language | Varchar(45) | Yes |  |
| 8 |  |  | bookCategory | Varchar(45) | Yes |  |

* Delivery Info

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes | Giống Media |
| 2 |  |  | name | Varchar(45) | Yes |  |
| 3 |  |  | phone | Varchar(45) | Yes |  |
| 4 |  |  | province | Varchar(45) | Yes |  |
| 5 |  |  | instruction | Date | Yes |  |
| 6 |  |  | numOfPages | Interger | Yes |  |
| 7 |  |  | language | Varchar(45) | Yes |  |
| 8 |  |  | bookCategory | Varchar(45) | Yes |  |

* Rush Delivery info

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x | x | id | Integer | Yes | Giống Delivery info |
| 2 |  |  | shipping time | Date Time | Yes |  |
| 3 |  |  | rush delivery instruction | Varchar(200) | Yes |  |

* Order info

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes | Giống Delivery info |
| 2 |  |  | shipping fee | Integer | Yes |  |
| 3 | x | x | Delivery info id | int | Yes |  |

* Order Media

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | orderID | Integer | Yes | Giống order info |
| 2 |  |  | price | Integer | Yes |  |
| 3 |  |  | quantity | Integer | Yes |  |
| 4 | x | x | mediaId | Integer | Yes | Giống media |

* Invoice

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes | Giống order info |
| 2 |  |  | total amount | Integer | Yes |  |
| 3 |  |  | orderID | Integẻ | Yes |  |

* Card

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes | Giống order info |
| 2 |  |  | cardCode | Varchar(15) | Yes |  |
| 3 |  |  | owner | Varchar(45) | Yes |  |
| 4 |  |  | cvvCode | Varchar(3) | Yes |  |
| 5 |  |  | dateExpired | Varchar(4) | Yes |  |

* Payment Transaction

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes |  |
| 2 |  |  | createAt | Datetime | Yes |  |
| 3 |  |  | content | Varchar(45) | Yes |  |
| 4 |  |  | method | Varchar(45) | No |  |
| 5 | x | x | cardId | Integer | Yes | Giống Id của Card |
| 6 | x | x | invoiceId | Integer | Yes | Giống Id của Invoice |

* User

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes |  |
| 2 |  |  | uname | Varchar(45) | Yes |  |
| 3 |  |  | createAt | datetime | no |  |
| 4 |  |  | role | Varchar | Yes | enum(‘admin ‘,’ user‘) |
| 5 |  |  | externalUID | char(36) | Yes |  |

* OrderHistory

| # | PK | FK | Column name | Data type | Mandatory | Description |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | x |  | id | Integer | Yes |  |
| 2 | x | x | uid | char(36) | Yes | giống User externalUID |
| 3 | x | x | orderId | Integer | Yes | giống OrderInfo Id |
| 4 |  |  | paid | tinyint(1) | Yes |  |