# Mục Lục

# 1. Media

| # | PK | FK | Column name | Data type | Mandatory | Description |
|---|----|----|-------------|-----------|-----------|-------------|
| 1. | x | | id | integer | Yes | Id, auto increment |
| 2. | | | category | VARCHAR(45) | Yes | Media type: CD, DVD |
| 3. | | | price | Integer | Yes | Current price |
| 4. | | | quantity | Integer | Yes | Numbers of product |
| 5. | | | title | VARCHAR(45) | Yes | Product name |
| 6. | | | value | Integer | Yes | Value of product |
| 7. | | | imageUrl | VARCHAR(45) | Yes | Product image path |

# 2. 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. | | | releaseDate | Date | No | Release date |

# 3. Book

| # | PK | FK | Column name | Date type | Mandatory | Description |
|---|----|----|-------------|-----------|-----------|-------------|
| 1. | x | | id | Integer | Yes | ID, same as ID of Media of which type is Book |
| 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. | | | numOfPages | Integer | Yes | Page number |
| 7. | | | language | VARCHAR(45) | Yes | Language |
| 8. | | | bookCategory | VARCHAR(45) | yes | Book category |

## 4. DVD

| # | PK | FK | Column name | Date type | 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 | Subtitles |
| 7. | | | releasedDate | DateTime | Yes | Release date |
| 8. | | | filmType | VARCHAR(45) | Yes | Genres |

## 5. Card

| # | PK | FK | Column name | Date type | Mandatory | Description |
|---|----|----|-------------|-----------|-----------|-------------|
| 1. | x | | Id | Integer | Yes | ID, auto increment |
| 2. | | | cardCode | VARCHAR(45) | Yes | Card code |
| 3. | | | Owner | VARCHAR(45) | Yes | Cardholders |
| 4. | | | cvvCode | VARCHAR(3) | Yes | CVV code |
| 5. | | | dateExpired | VARCHAR(4) | Yes | Expiration date |

## 6. DeliveryInfo

| # | PK | FK | Column name | Date type | 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) | Yes | Delivery instructions |
| 5. | | | address | VARCHAR(100) | Yes | Delivery address |

## 7. Order

| # | PK | FK | Column name | Date type | Mandatory | Description |
|---|----|----|-------------|-----------|-----------|-------------|
| 1. | x | | id | Integer | Yes | ID |
| 2. | | | shippingFees | VARCHAR(45) | Yes | Shipping fees |
| 3. | | x | deliveryInfoId | integer | Yes | Delivery info id |

## 8. OrderMedia

| # | PK | FK | Column name | Date type | 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 |

## 9. Invoice

| # | PK | FK | Column name | Date type | Mandatory | Description |
|---|---|---|---|---|---|---|
| 1. | X | | Id | Integer | Yes | ID |
| 2. | | | totalAmount | Integer | Yes | Total |
| 3. | | x | orderId | Integer | Yes | Order Id |

## 10. PaymentTransaction

| # | PK | FK | Column name | Date type | Mandatory | Description |
|---|---|---|---|---|---|---|
| 1. | x | | Id | Integer | 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 | Integer | Yes | ID of used card |
| 6. | | x | invoiceId | Integer | Yes | Invoice ID |