**PHYSICAL DATA MODEL**

* **Media**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Title |  |  | Varchar(100) | Yes | Media title |
| **3.** | CategoryType |  |  | Varchar(50) | Yes | Category type |
| **4.** | Value |  |  | Integer | Yes | Value of the media |
| **5.** | Price |  |  | Integer | Yes | Price |
| **6** | Quantity |  |  | Interger | Yes | Quantity |
| **7** | ImageUrl |  |  | Varchar(100) | Yes | ImageUrl |

* **ShippingMethod**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Name |  |  | Varchar(50) | Yes | Name |
| **3.** | Description |  |  | Varchar(100) | Yes | description |

* **MediaShippingMethod**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Media\_id |  | x | Integer | Yes | Id from Media table |
| **3.** | ShippingMethod\_id |  | x | Integer | Yes | Id from ShippingMethod table |

* **DeliveryAddress**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Name |  |  | Varchar(100) | Yes | Receiver name |
| **3.** | Phone |  |  | Integer | Yes | Phone number |
| **4.** | Province |  |  | Varchar(20) | Yes | Province |
| **5.** | Address |  |  | Varchar(100) | Yes | Shipping address |
| **6.** | Instruction |  |  | Varchar(200) | Yes | Shipping instruction |

* **Order**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | DeliveryAddress\_id |  | x | Integer | Yes | Id from deliveryAddress table |
| **3.** | ShippingFees |  |  | Integer | Yes | Shipping fees |

* **OrderMedia**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Media\_id |  | x | Integer | Yes | Id from Media table |
| **3.** | Order\_id |  | x | Integer | Yes | Id from order table |
| **4.** | Price |  |  | Integer | Yes | Price |
| **5.** | Quantity |  |  | Integer | Yes | Quantity of media |

* **ShippingInfo**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | OrderMedia\_id |  | x | Integer | Yes | Id from OrderMedia table |
| **3.** | ShippingMethod\_id |  | x | Integer | Yes | Id from ShippingMethod table |
| **4.** | ShippingFee |  |  | Integer | Yes | Shipping fee |

* **RushOrder**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | ShippingInfo\_id |  | x | Integer | Yes | Id from ShippingInfo |
| **3.** | ShippingMethod\_id |  | x | Integer | Yes | Id from ShippingMethod table |
| **4.** | Instruction |  |  | Varchar(200) | Yes | Delivery instruction |
| **5.** | deliveryTime |  |  | Datetime | Yes | Delivery time |

* **PaymentTransaction**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Method |  |  | Varchar(20) | Yes | Payment method |
| **3.** | BankName |  |  | Varchar(45) | No | Bank Payment |
| **4.** | Content |  |  | Varchar(45) | Yes | Content of transaction |
| **5.** | Time |  |  | DateTime | Yes | Create datetime |
| **6** | Status |  |  | Varchar(50) | Yes | Status of transaction |

* **Invoice**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Column Name** | **PK** | **FK** | **Data type** | **Mandatory** | **Description** |
| **1.** | Id | x |  | Integer | Yes | ID, auto increment |
| **2.** | Order\_id |  | x | Integer | Yes | Id from order table |
| **3.** | PaymentTransaction\_id |  | x | Integer | Yes | Id from  paymentTranasction table |
| **4.** | TotalAmount |  |  | Integer | Yes | Total amount |
| **5.** | VAT |  |  | Interger | Yes | VAT tax |