**SYSTEM DESIGN**

**Table Design:**

**Table : admins**

Primary Key : Admin\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Column** | **Datatype** | **Description** |
| 1 | Admin\_id | Int(11) | Id of the admin |
| 2 | Adminname | Varchar(100) | Name of the admin |
| 3 | Email | Varchar(255) | Email of the admin |
| 4 | Password | Varchar(255) | Hashed Password of admin |
| 5 | Mobile\_number | Varchar(15) | Mobile number of the admin |
| 6 | Role | Enum | Role of admin |
| 7 | Created\_by | Int(11) | Denotes the admin created by Superadmin |
| 8 | CreatedDate | Datetime | Admin created date and time |
| 9 | LastLogin | Datetime | Admin’s recent login date and time |
| 10 | Status | Enum | Status of Admin (active/inactive) |
| 11 | Otp | Varchar(6) | Otp if admin tried to login |
| 12 | Otp\_Expiry | Datetime | Otp expiring date and time |
| 13 | Is\_email\_verified | Tinyint(1) | Is the admin loggedIn and verified |

**Table : usersretailers**

Primary Key : User\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Columns** | **Datatype** | **Description** |
| 1 | User\_id | Int(11) | Id of the user |
| 2 | Username | Varchar(100) | Name of the user |
| 3 | Password | Varchar(255) | Hashed password of the user |
| 4 | Shop\_name | Varchar(255) | User’s Shop name |
| 5 | Shop\_address | Text | Shop’s Address |
| 6 | Email | Varchar(100) | Email of the user |
| 7 | Mobile\_number | Varchar(15) | Mobile number of the user |
| 8 | Otp | Varchar(6) | Otp if user tried to login |
| 9 | Otp\_expiry | Datetime | Otp expiring date and time |
| 10 | Is\_email\_verified | Tinyint(1) | Is the user loggedIn and verified |
| 11 | Owner\_name | Varchar(255) | Owner of the shop |
| 12 | userCreationDate | Datetime | User’s created date and time |
| 13 | LastLogin | Datetime | User’s recent login date and time |
| 14 | userType | Enum | Type of user (Regular/Frequent/VIP) |
| 15 | Status | Enum | User’s Status (Active/Inactive) |

**Table : brands**

Primary Key : id

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Columns** | **Datatype** | **Description** |
| 1 | Id | Int(11) | Id of the Brand |
| 2 | Main\_brand | Varchar(255) | Main Brand Name |
| 3 | Image\_file | Varchar(255) | Brand image file location/Path |
| 4 | Catalogue\_file | Varchar(255) | Brand Catalogue file location/path |
| 5 | Created\_at | Datetime | Brand added date and time |
| 6 | Sub\_brand | Varchar(255) | Sub brand name |

**Table : footwear\_models**

Primary Key : Model\_id

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Columns** | **Datatype** | **Description** |
| 1 | Model\_id | Int(11) | Id of the model |
| 2 | Main\_brand | Varchar(255) | Main brand of the model |
| 3 | Sub\_brand | Varchar(255) | Sub brand of the model |
| 4 | Commodity | Varchar(50) | Commodity of the model |
| 5 | Article | Varchar(50) | Article of the model |
| 6 | Color | Varchar(50) | Color of the model |
| 7 | Price | Decimal(10,2) | Price of the model |
| 8 | Type | Varchar(50) | Type of the model |
| 9 | Material | Varchar(50) | Material of the model |
| 10 | Stock\_available | Varchar(50) | Availability of the model |
| 11 | Image\_name | Varchar(255) | Image name of the model |
| 12 | Image\_type | Varchar(100) | Type of the image |
| 13 | Image\_data | Longblob | Image data |

**Table : footwear\_stock**

Primary Key : Stock\_id

Foreign Key : Model\_id(footwear\_models)

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Columns** | **Datatype** | **Description** |
| 1 | Stock\_id | Int(11) | Id of the stock |
| 2 | Model\_id | Int(11) | Id of the model |
| 3 | Description | Varchar(255) | Description about the model |
| 4 | Article | Varchar(50) | Article of the model |
| 5 | Color | Varchar(50) | Color of the model |
| 6 | Size\_variation | Varchar(25) | Size variation of the model |
| 7 | Custom\_size | Int(11) | Custom size stock |
| 8 | Stock | Int(11) | NOS available |

**Table : Orders**

Primary Key: Order\_id

Foreign Key: User\_id(usersretailers),Packaged\_by(admins – admin\_id)

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Columns** | **Datatype** | **Description** |
| 1 | Order\_id | Int(11) | Id of the Order |
| 2 | User\_id | Int(11) | User’s id who placed the order |
| 3 | Order\_placed\_time | Datetime | Order placed time |
| 4 | Order\_updated\_time | Datetime | Order Updated time |
| 5 | Order\_packaged\_time | Datetime | Order Packaged time |
| 6 | Packaged\_by | Int(11) | Admin’s id who packaged the order |
| 7 | Bill\_amount | Decimal(10,2) | Amount of the bill |
| 8 | Bill\_file | Varchar(255) | Path to the Bill’s PDF File |
| 9 | Delivery\_status | Enum | Status of the Delivery |
| 10 | Delivered\_time | Datetime | Order Delivered time |
| 11 | Estimated\_delivery\_date | Datetime | Estimated\_delivery\_time |

**Table : user\_cart**

Primary Key : Cart\_id

Foreign Key : Model\_id (footwear\_models), User\_id(usersretailers), Stock\_id(footwear\_stock

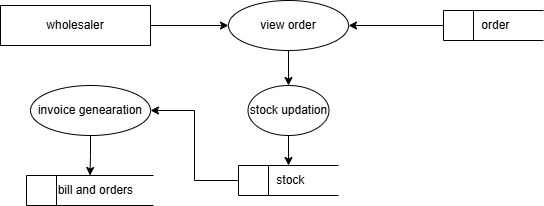
|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Columns** | **Datatype** | **Description** |
| 1 | Cart\_id | Int(11) | The ID of the Cart |
| 2 | Model\_id | Int(11) | The ID of the model from footwear\_models table |
| 3 | User\_id | Int(11) | The ID of the Cart Holder User from the Usersretailers table |
| 4 | Quantity | Int(11) | The Amount of Quantity Added in the Cart for the model |

**Dataflow Diagram:**

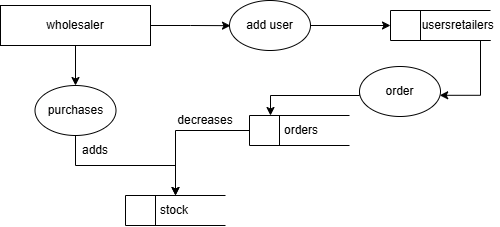
**Level 0:**

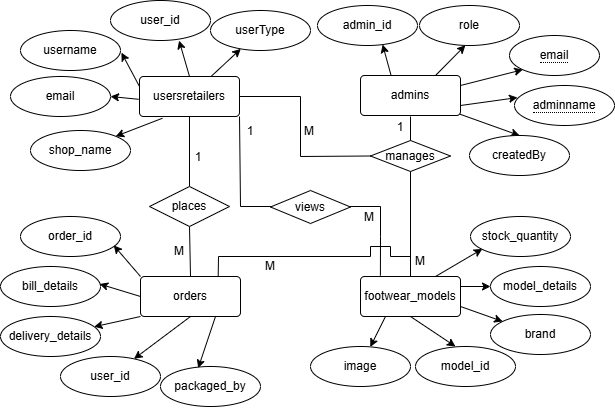
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**Level 1:**



**Level 2:**

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**ER Diagram:**