

# SYSTEM DESIGN

## Table Design:

**Table : admins**

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 Super admin
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

Primary Key : Admin\_id

**Table : usersretailers**

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)

Primary Key : User\_id

**Table : brands**

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

Primary Key : id

**Table : footwear\_models**

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

Primary Key : Model\_id

**Table : footwear\_stock**

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

Primary Key : Stock\_id

Foreign Key : Model\_id(footwear\_models)

**Table : Orders**

S.No.	Columns	Datatype	Description
1	Order_id	Int(11)	Id of the Order
2	Order_no	Varchar(50)	Order Number
3	User_id	Int(11)	User's id who placed the order
4	Order_place_time	Datetime	Order placed time
5	Order_packaged_time	Datetime	Order Packaged time
6	Packaged_by	Int(11)	Admin's id who packaged the order
7	Bill_no	Varchar(50)	Bill Number
8	Bill_amount	Decimal(10,2)	Amount of the bill
9	Bill_file	Varchar(255)	Path to the Bill's PDF File
10	Delivery_status	Enum	Status of the Delivery
11	Delivered_time	Datetime	Order Delivered time
12	Estimated_delivery_date	Datetime	Estimated_delivery_time
13	Created_at	Timestamp	Record created timestamp
14	Updated_at	Timestamp	Record Created timestamp

Primary Key: Order\_id

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

**Table : user\_cart**

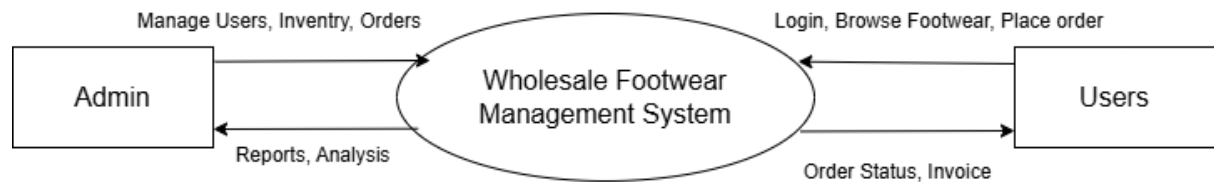
S.No.	Columns	Datatype	Description
1	Cart_id	Int(11)	The ID of the Cart
2	Model_id	Int(11)	The ID of the model from footwear_models table
3	User_id	Int(11)	The ID of the Cart Holding User from the Usersretailers table
5	Quantity	Int(11)	The Amount of Quantity Added in the Cart for the model

Primary Key : Cart\_id

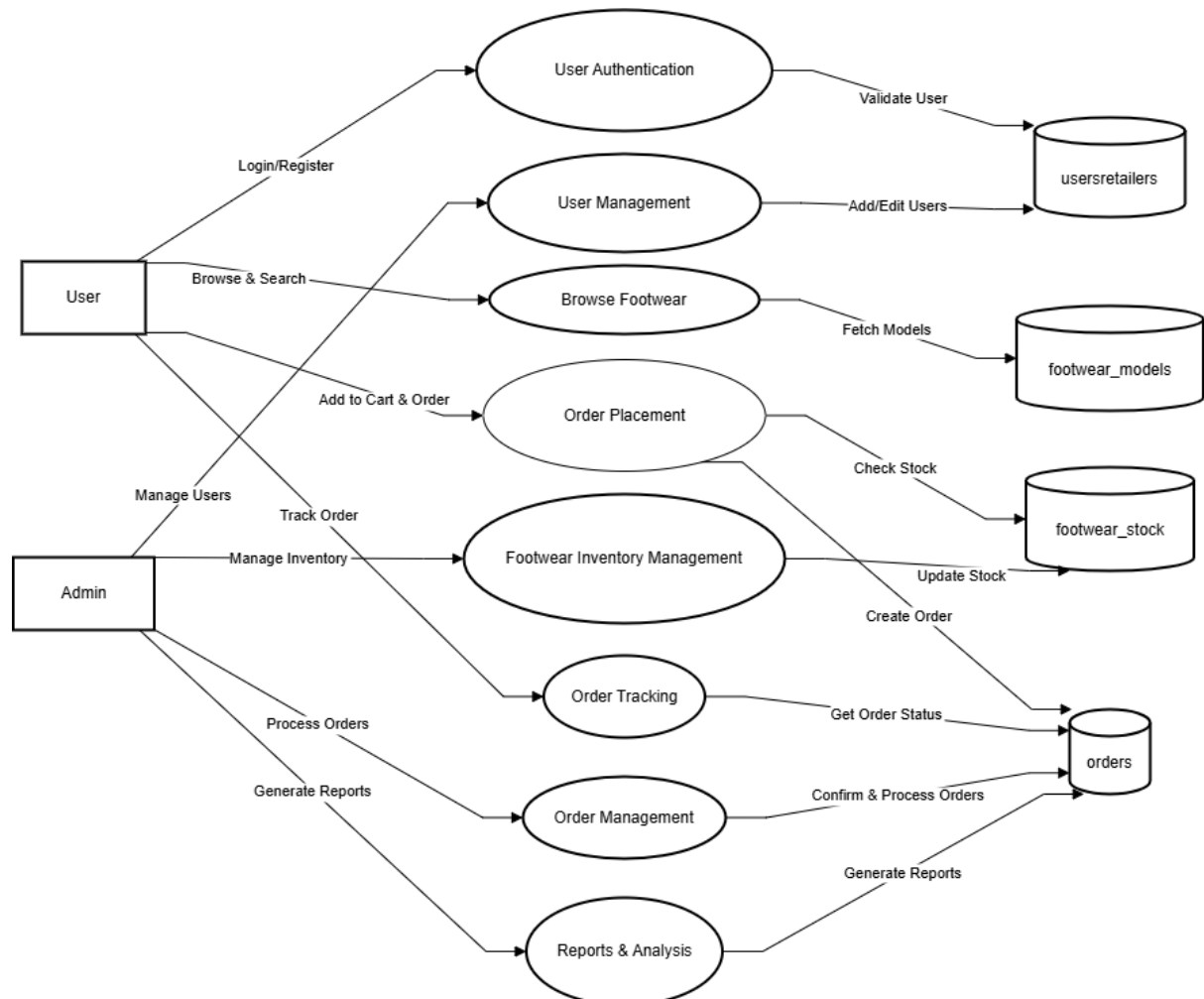
Foreign Key : Model\_id (footwear\_models), User\_id(usersretailers),  
Stock\_id(footwear\_stock)

## Dataflow Diagram:

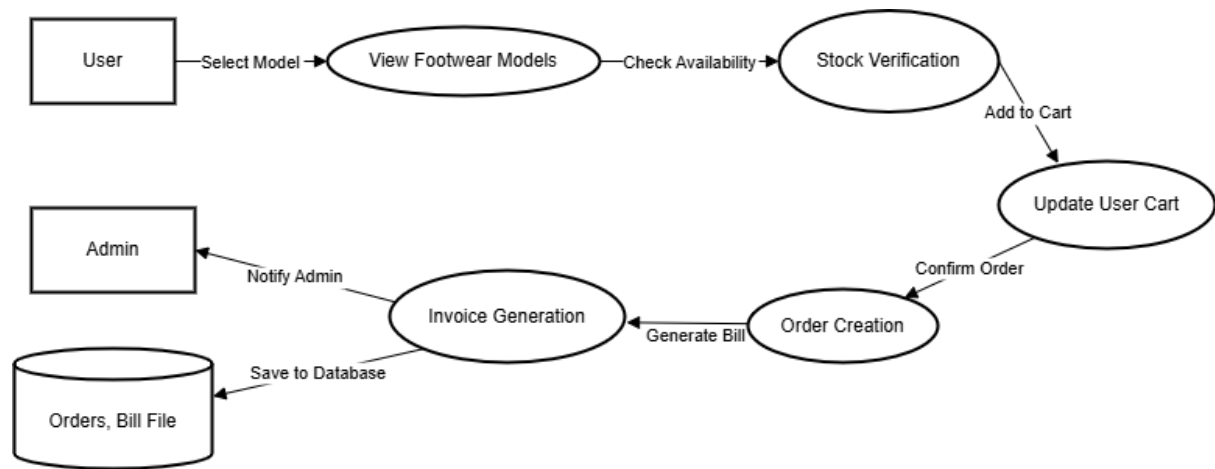
### Level 0:



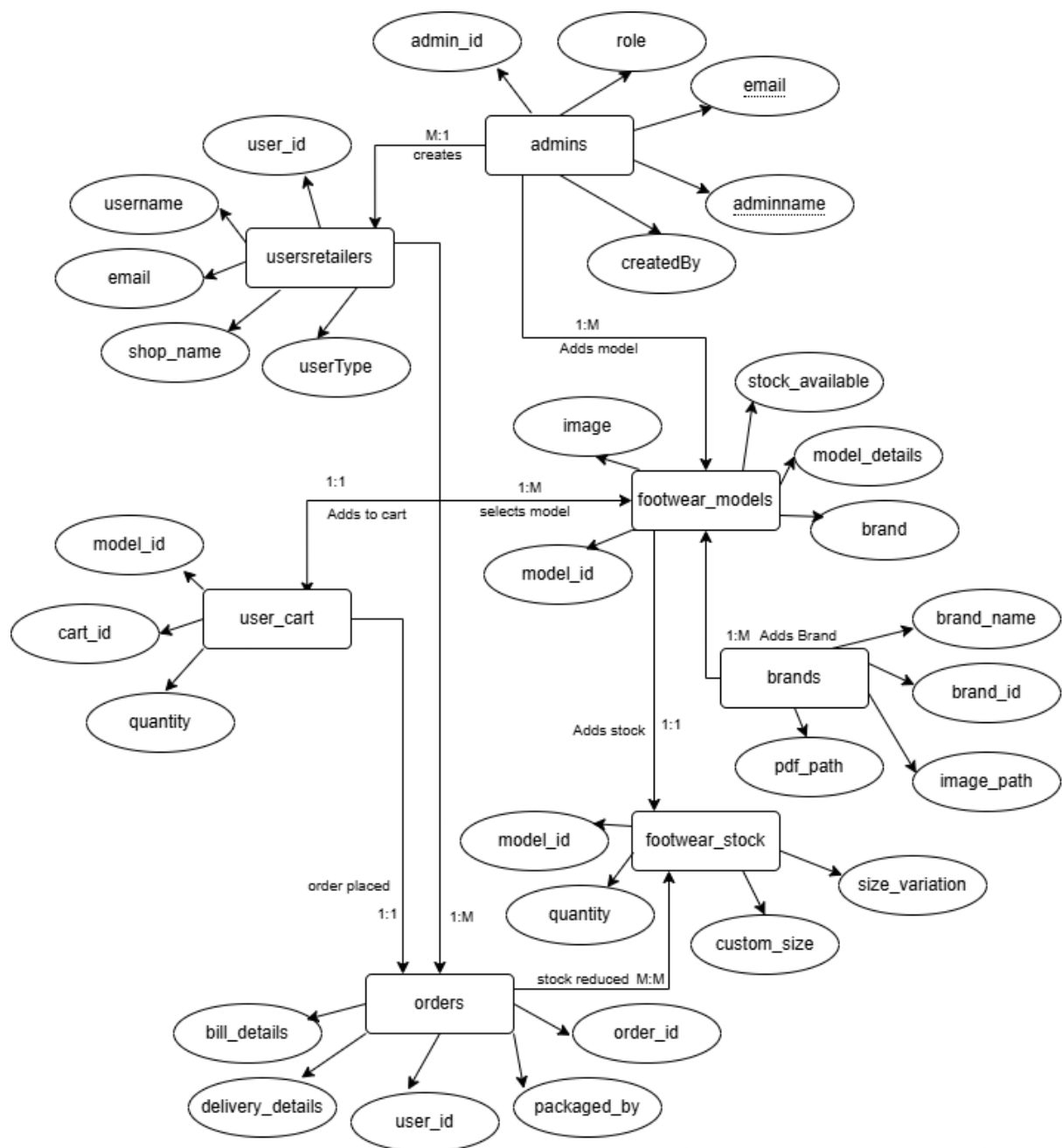
### Level 1:



## Level 2:



## ER Diagram:



## ER Diagram:

