

# **RENT AN EQUIPMENT**

**Submitted To:**

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## **Table Design**

### **1.tbl\_userlogin**

Primary key: login\_id

Description : This login is for login Operations

Field	Data Type	Key Constraints	Description
LoginID	int(10)	Primary Key(Auto Increment)	Unique identifier
Username	varchar(20)	Not Null	Username
email	varchar(20)	Not Null	Email
Password	varchar(20)	Not Null	Password
User type	varchar(20)	Not Null	Users types
Status	int(10)	Not Null	Active /Deactive

### **2.tbl\_products**

Primary key: product\_id

Foreign key: warehouse\_id references table tbl\_warehouse

Field	Data Type	Key Constraints	Description
Product_id	int(10)	Primary Key (Auto Increment)	Product id
name	varchar(20)	Not Null	Name of product
description	text	Not Null	Brief description
category	varchar(20)	Not Null	Category of products
price	decimal	Not Null	Price of product
availability	boolean	Not Null	Available or not
Warehouse_id	int(10)	Foreign Key	Warehouse id

### 3. tbl\_Rental

Primary key: rental\_Id

Foreign key: login\_id references tbl\_userlogin

product\_id references tbl\_products

Field	Data Type	Key Constraints	Description
Rental_ID	int(10)	Primary Key(Auto Increment)	Unique identifier
login_ID	int(10)	Foreign Key	login ID
Product id	int(10)	Foreign Key	Salary month
Start date	Date time	Not Null	Start date of rent
End date	Date time	Not Null	End date of rent
Total price	Decimal(10,20)	Not Null	Product's price
status	enum	Not Null	Status of rent

### 4.tbl\_cart

Primary key: cart\_ID

Foreign key: login\_id references tbl\_userlogin

Field	Data Type	Key Constraints	Description
Cart_ID	int(10)	Primary Key(Auto Increment)	Unique identifier
login_ID	int(10)	Foreign Key	login id
Product_id	int(10)	Foreign Key	Product id
quantity	int(10)	Not Null	quantity

## 5. tbl\_adminlogin

Primary key: admin\_name

Field	Data Type	Key Constraints	Description
Admin_name	Varchar(20)	Primary Key(Auto Increment)	Unique identifier
Admin_password	Varchar(20)	Not null	Password of admin

## 6. tbl\_warehouse

Primary key: warehouse\_ID

Field	Data Type	Key Constraints	Description
Warehouse_ID	int(10)	Primary Key(Auto Increment)	Unique identifier
Business_name	varchar(20)	Not Null	Business ID
Contact_name	varchar(20)	Not Null	Warehouse name
Contact_email	varchar(20)	Not Null	Warehouse email
Contact_phone	varchar(20)	Not Null	Warehouse phone
Warehouse_password	varchar(20)		Warehouse password

## 7. tbl\_orders

Primary key: order\_ID

Foreign key: login\_id references tbl\_userlogin

Field	Data Type	Key Constraints	Description
Order_ID	Int(10)	Primary Key(Auto Increment)	Unique identifier
Login_ID	Int(10)	Foreign Key	login ID
Product id	Int(10)	Foreign Key	Product id
Order date	Date time	Not null	Date of order
Order status	varchar(20)	Not null	Status of order

## 8. tbl\_feedback

Primary key: feedback\_id

Foreign key: login\_id references tbl\_userlogin

product\_id references tbl\_products

Field	Data Type	Key Constraints	Description
feedback_id	Int(10)	Primary Key(Auto Increment)	Unique identifier
login_id	int (10)	Foreign Key	login ID
product_id	Int(10)	Foreign Key	Product id
rating	Int(10)	Not Null	Product rating
comment	text		Comment,if any
Date posted	Date time	Not Null	Date of post

### 9.tbl\_wishlist

Primary key: w\_ID

Foreign key: login\_id references tbl\_userlogin

Product\_id references tbl\_products

Field	Data Type	Key Constraints	Description
W_ID	int(10)	Primary Key(Auto Increment)	Unique identifier
login_ID	int(10)	Foreign Key	login ID
Product ID	int(10)	Foreign Key	productID
quantity	int(10)	Not Null	quantity

### 10. Equipment Delivery and Pickup Table

Primary key: delivery\_id

Foreign key: product\_id references tbl\_Product

Field	Data Type	Key Constraints	Description
delivery_id	int	Primary Key	Unique identifier for each delivery/pickup.
product_id	int	Foreign Key	ID of the equipment being delivered/picked up.
date_time	datetime	Not Null	Date and time of delivery/pickup.
delivery_type	varchar(50)	Not Null	Type of delivery (e.g., delivery, pickup).
driver_id	int	Foreign Key	ID of the delivery person
location	varchar(100)	Not Null	Location where the delivery/pickup took place.

## 11. tbl\_Equipment Installation and Setup

Primary key: installation\_id

Foreign key: product\_id references tbl\_Product

Foreign key: technician\_id references tbl\_technician

Field	Data Type	Key Constraints	Description
installation_id	int	Primary Key	Unique identifier for each installation.
product_id	int	Foreign Key	ID of the equipment being installed/setup.
date_time	datetime	Not null	Date and time of installation/setup.
technician_id	int	Foreign Key	ID of the technician performing the setup.

## 12. Emergency Services Table

Primary key: emergency\_id

Foreign key: user\_id references tbl\_userlogin

Field	Data Type	Key Constraints	Description
emergency_id	int	Primary Key	Unique identifier for each emergency call.
user_id	int	Foreign Key	ID of the user requesting emergency help.
date_time	datetime	Not Null	Date and time of the emergency call.
location	varchar(100)	Not Null	Location of the emergency.
description	varchar(255)	Not Null	Description of the emergency situation.

### 13. tbl\_Rate&Review

Primary key: review\_id

Foreign key: user\_id refernces tbl\_userlogin

Foreign key: product\_id refernces tbl\_Product

Field	Data Type	Key Constraints	Description
review_id	int	Primary Key	Unique identifier for each review.
user_id	int	Foreign Key	ID of the user who wrote the review.
rating	int	Not Null	Rating given by the user (e.g., 1-5 stars).
review_text	text	Not Null	Textual review provided by the user.
date_time	datetime	Not Null	Date and time when the review was submitted.
product_id	int	Foreign Key	ID of the equipment being reviewed.



#### 14. tbl\_driver

Primary key: driver\_id

Field	Data Type	Key Constraints	Description
driver_id	int	primary key	Unique identifier for each driver.
name	varchar(100)	varchar	Name of the driver.
phone_number	varchar(20)	int	Phone number of the driver.
email	varchar(100)	unique	Email address of the driver (unique).
license_number	varchar(20)	unique	Driver's license number (unique).
vehicle_number	varchar(20)	unique	Vehicle registration number (unique).
vehicle_type	varchar(50)	varchar	Type of vehicle driven by the driver.
active_status	boolean	default true	Indicates whether the driver is active or not.