

DATABASE DESIGN

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INMCA S9

4.5 TABLE DESIGN

1. Users Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	user_id	INT	Primary Key, Auto Increment	User Id
2.	email	varchar (20)	Unique, Not Null	Email
3.	password	varchar (20)	Not Null	Password
4.	role	int (10)	Not Null	Admin/ Seller/ Customer
5.	status	int (10)	Not Null	Status-active/blocked

1. Admin Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	admin_id	INT	Primary Key, Auto Increment	Admin Id
2.	email	VARCHAR(30)	Unique, Not Null	Email
3.	password	VARCHAR(30)	Not Null	Password

2. Sellers Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	seller_id	INT	Primary Key, Foreign Key	Seller Id
2.	user_id	INT	Foreign Key referencing Users	User Id
3.	seller_name	VARCHAR(30)	Not Null	Seller Name
4.	company_name	VARCHAR(30)	Not Null	Company name
5.	contact_no	VARCHAR(20)	Not Null	Mobile Number

3. Customers Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	customer_id	INT	Primary Key, Foreign Key	Customer Id
2.	user_id	INT	Foreign Key referencing Users	User Id
3.	customer_name	VARCHAR(30)	Not Null	Customer name
4.	contact_no	VARCHAR(20)	Not Null	Mobile Number

5. Address Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	address_id	INT	Primary Key, Auto Increment	Address Id
2.	user_id	INT	Foreign Key referencing Customer or Seller	User Id
3.	address_type	VARCHAR(20)	Not Null	Permanent or Residential
4.	address_line1	VARCHAR(30)	Not Null	Address line
5.	address_line2	VARCHAR(30)		Address line 2
6.	city	VARCHAR(50)	Not Null	City
7.	state	VARCHAR(50)	Not Null	State
8.	zip_code	VARCHAR(10)	Not Null	Zip code
9.	country	VARCHAR(50)	Not Null	Country
10.	default	INT	Not null	Set default address

6. Categories Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	category_id	INT	Primary Key, Auto Increment	Category Id
2.	category_name	VARCHAR(30)	Not Null	Category name
3.	status	INT	Not Null	Active or deleted

7. Subcategories Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	subcategory_id	INT	Primary Key, Auto Increment	Subcategory Id
2.	subcategory_name	VARCHAR(30)	Not null	Subcategory name
3.	category_id	INT	Foreign Key referencing Categories	Category Id

8. Products Table

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	product_id	INT	Primary Key, Auto Increment	Product Id
2.	seller_id	INT	Foreign Key referencing Seller	Seller Id
3.	subcategory_id	INT	Foreign Key referencing Subcategories	Sub Category name
4.	product_name	VARCHAR(30)	Not Null	Product name
5.	description	TEXT	Not Null	Description about product
6.	price	DECIMAL(10,2)	Not Null	Price of product

7.	stock_quantity	INT	Not Null	Total quantity
8.	is_available	BOOLEAN	Not Null	If product is available

9. Orders Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
10.	order_id	INT	Primary Key, Auto Increment	order Id
11.	customer_id	INT	Foreign Key referencing Customer	customer name
12.	order_date	DATETIME	Not Null	Order date
13.	total_amount	DECIMAL(10,2)	Not Null	amount
14.	status	VARCHAR(20)	Not Null	Pending, Shipped, Delivered

10.Order_Details Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	order_detail_id	INT	Primary Key, Auto Increment	Order Detail Id
2.	order_id	INT	Foreign Key referencing Orders	Order Id
3.	product_id	INT	Foreign Key referencing Products	Product Id
4.	quantity	INT	Not Null	Quantity
5.	unit_price	Decimal(10,2)	Not null	Price per unit

11. Reviews Table

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	review_id	INT	Primary Key, Auto Increment	Review Id
2.	product_id	INT	Foreign Key referencing Product	Product Id
3.	customer_id	INT	Foreign Key referencing Customer	Customer Id
4.	rating	DECIMAL(3,1)	Not Null	Rating by Customer
5.	review_text	TEXT		Text description

12. SaveList Table

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	save_id	INT	Primary Key, Auto Increment	Save Id
2.	customer_id	INT	Foreign Key referencing Customer	Customer Id

3.	product_id	INT	Foreign Key referencing Product	Product Id
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13. Image Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	image_id	INT	Primary Key, Auto Increment	Image Id
2.	product_id	INT	Foreign Key referencing Product	Product Id
3.	image_url	VARCHAR(30)	Not Null	Url of Image

14. Cart Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	cart_id	INT	Primary Key, Auto Increment	Cart Id
2.	customer_id	INT	Foreign Key referencing Customer	Customer Id
3.	product_id	INT	Foreign Key referencing Product	Product Id
4.	quantity	INT	Not Null	Quantity

15. . Rating Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	rating_id	INT	Primary Key, Auto Increment	Rating Id
2.	seller_id	INT	Foreign Key referencing Seller	Seller Id
3.	rating	DECIMAL(3,1)	Not Null	Rating given

16. Payment Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	payment_id	INT	Primary Key, Auto Increment	Payment Id
2.	order_id	INT	Foreign Key referencing Order	Order Id
3.	payment_date	DATETIME	Not Null	Payment Date
4.	amount	DECIMAL(10,2)	Not Null	Total Amount
5.	payment_status	VARCHAR(20)	Not Null	Pending, Paid

17. Delivery Boy Request Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
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1.	request_id	INT	Primary Key, Auto Increment	Request Id
2.	delivery_boy_name	VARCHAR(30)	Not Null	Name of delivery boy
3.	contact_no	VARCHAR(20)	Not Null	Mobile Number

18. Delivery Boy Assign Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	assign_id	INT	Primary Key, Auto Increment	Assign Id
2.	order_id	INT	Foreign Key referencing Order	Order Id
3.	delivery_boy_id	INT	Foreign Key referencing DeliveryBoy	Delivery boy Id
4.	assign_date	DATETIME	Not Null	Date of Assignment
5.	status	VARCHAR(20)	Not Null	Assigned or Delivered

19. Payment from Seller to Admin Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	payment_id	INT	Primary Key, Auto Increment	Payment Id
2.	seller_id	INT	Foreign Key referencing Seller	Seller Id
3.	payment_date	DATETIME	Not Null	Payment date
4.	amount	DECIMAL(10,2)	Not Null	Amount
5.	payment_status	VARCHAR(20)	Not Null	Pending or Paid

20. Customer Request Product Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	request_id	INT	Primary Key, Auto Increment	Request Id
2.	customer_id	INT	Foreign Key referencing Customer	Customer Id
3.	product_name	VARCHAR(30)	Not Null	Product Name
4.	description	TEXT	Not Null	Description about product

21. Pay Seller to Delivery Boy Table:

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	payment_id	INT	Primary Key, Auto Increment	Payment id
2.	seller_id	INT	Foreign Key referencing Seller	Seller id

3.	delivery_boy_id	INT	Foreign Key referencing DeliveryBoy	Delivery boy id
4.	payment_date	DATETIME	Not Null	Payment Date
5.	amount	DECIMAL(10,2)	Not Null	Amount
6.	payment_status	VARCHAR(20)	Not Null	Pending or Paid

22. Discount table

No:	Fieldname	Datatype (Size)	Key Constraints	Description of the Field
1.	discount_id	INT	Primary Key, Auto Increment	Discount id
2.	product_id	INT	Foreign Key referencing Product	Product id
3.	Start_date	DATETIME	Not null	Starting date
4.	end_date	DATETIME	Not Null	Ending Date
5.	percentage	DECIMAL(5,2)	Not Null	Percentage of discount