DATA DICTIONARY

tbl_accounts					
Key	**Field name**	**Data type**	**Field length**	**Constraint**	**Description**
PK	account_id	INT	11	Primary Key	Unique identifier for each account
	first_name	VARCHAR	20	Not Null	First name of the account holder
	last_name	VARCHAR	20	Not Null	Last name of the account holder
	address	VARCHAR	35	Not Null	Address of the account holder
	phone_number	INT	11	Not Null	Phone number of the account holder
	email	VARCHAR	35	Not Null	Email address of the account holder
	username	VARCHAR	20	Not Null	Username for login
	password	VARCHAR	600	Not Null	Password for login
	role	VARCHAR	20	Not Null	User role (e.g., Seller, Buyer, Admin)
	shop_name	VARCHAR	20	Not Null	Name of the shop (for Sellers)
	profile_picture	VARCHAR	100	Not Null	Path to the profile picture
	date_joined	DATE		Not Null	Date when the account was created
	status	VARCHAR	20	Not Null	Account status (e.g., Active, Inactive, Deactivated)

tbl_logs

Key	Field name	Data type	Field length	Constraint	Description
PK	logs_id	INT	11	Primary Key	Unique identifier for each log entry
FK	account_id	INT	11	Foreign key	ID of the logged in account from accounts table
	action	VARCHAR	100	Not Null	Description of the account action
	details	VARCHAR	600	Not Null	Additional details about the admin action
	timestamp	TIMESTAMP		Not Null	Timestamp of the user action

tbl_art

Key	Field name	Data type	Field length	Constraint	Description
PK	cart_id	INT	11	Primary Key	Unique identifier for each cart item
FK	buyer_id	INT	11	Foreign key	ID of the buyer account from accounts table
FK	seller_id	INT	11	Foreign key	ID of the seller account from accounts table
FK	product_id	INT	11	Foreign key	ID of the product from products table
	quantity	INT	11	Not Null	Quantity of the product in the cart
	date_added	DATE		Not Null	Date when the product was added to the cart

tbl_invoice

Key	Field name	Data type	Field length	Constraint	Description
PK	invoice_id	INT	11	Primary Key	Unique identifier for each invoice
FK	buyer_id	INT	11	Foreign key	ID of the buyer account from accounts table

Key	Field name	Data type	Field length	Constraint	Description
FK	seller_id	INT	11	Foreign key	ID of the seller account from accounts table
FK	product_id	INT	11	Foreign key	ID of the product from products table
FK	order_id	INT		Foreign key	ID of the order from orders table
	invoice_date	DATE		Not Null	Date of the invoice

tbl_messages	

Key	Field name	Data type	Field length	Constraint	Description
PK	message_id	INT	11	Primary Key	Unique identifier for each message to the admin
FK	account_id	INT	11	Foreign key	ID of the account that sent the message
	category	VARCHAR	100	Not Null	Category of the message
	title	VARCHAR	100	Not Null	Title of the message
	description	VARCHAR	2000	Not Null	Description or content of the message
	date_sent	DATE		Not Null	Date when the message was sent
	status	VARCHAR	100	Not Null	Status of the message (e.g., Under Review, Resolved)

tbl_orders	

Key	Field name	Data type	Field length	Constraint	Description
PK	order_id	INT	11	Primary Key	Unique identifier for each account
FK	buyer_id	INT	11	Foreign key	ID of the buyer account from accounts table
FK	seller_id	INT	11	Foreign key	ID of the seller account from accounts table
FK	product_id	INT	11	Foreign key	ID of the product from products table

	total_quantity	INT	11	Not Null	Total quantity of the product ordered
	total_price	INT	11	Not Null	Total price of the order
	payment_method	VARCHAR	20	Not Null	Payment method used for the order
	note	VARCHAR	500	Not Null	Additional notes or instructions for the order
	date_purchase	DATE		Not Null	Date when the order was placed
	stattus	VARCHAR	100	Not Null	Status of the order (e.g., Pending, Accepted, Shipped)

tbl_products					
Key	**Field name**	**Data type**	**Field length**	**Constraint**	**Description**
PK	product_id	INT	11	Primary Key	Unique identifier for each account
FK	seller_id	INT	11	Foreign key	ID of the seller account from accounts table
	product_name	VARCHAR	20	Not Null	Name of the product
	price	INT	11	Not Null	Price of the product
	stocks	INT	11	Not Null	Available stock quantity of the product
	description	VARCHAR	1000	Not Null	Description of the product
	category	VARCHAR	100	Not Null	Category of the product
	total_sold	INT	11	Not Null	Total quantity of the product sold
	product_image	VARCHAR	100	Not Null	Path to the product image
	date_created	VARCHAR		Not Null	Date when the product was created
	status	VARCHAR	100	Not Null	Status of the product (e.g., Available, Unavailable, Archived)

tbl_rating4product					
Key	**Field name**	**Data type**	**Field length**	**Constraint**	**Description**
PK	rate_id	INT	11	Primary Key	Unique identifier for each product rating
FK	product_id	INT	11	Foreign key	ID of the product from product table
	total_star	INT	11	Not Null	Total star rating for the product

tbl_rating4seller					
Key	**Field name**	**Data type**	**Field length**	**Constraint**	**Description**
PK	rate_id	INT	11	Primary Key	Unique identifier for each seller rating
FK	seller_id	INT	11	Foreign key	ID of the seller from accounts table
	total_star	INT	11	Not Null	Total star rating for the product

tbl_wishlist					
Key	**Field name**	**Data type**	**Field length**	**Constraint**	**Description**
PK	wishlist_id	INT	11	Primary Key	Unique identifier for each wishlist item
FK	buyer_id	INT	11	Foreign key	ID of the buyer account from accounts table
FK	seller_id	INT	11	Foreign key	ID of the seller account from accounts table
FK	product_id	INT	11	Foreign key	ID of the product from accounts table
	total_favorites	INT	11	Not Null	Total number of times the product has been favorited
	date_added	DATE		Not Null	Date when the product was added to