

## DATA DICTIONARY

Users					
Key	Field name	Data type	Field length	Constraint	Description
PK	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	20	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	600	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)

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

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

Cart					
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

Invoice					
Key	Field name	Data type	Field length	Constraint	Description
PK	Cart 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
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

Message for admin					
Key	Field name	Data type	Field length	Constraint	Description
PK	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)

Message for seller					
Key	Field name	Data type	Field length	Constraint	Description
PK	id	INT	11	Primary Key	Unique identifier for each message to the seller
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	600	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)

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)

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	600	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)

Product rating					
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

Seller rating					
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

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