BUDORA

TABLE DESIGN

GUIDE :- Mr G.S Ajith

Submitted By :

Jeswin C Saji

Roll No 28

Int-MCA S9

4.5 TABLE DESIGN

1.tbl_User

Primary key: **user_id**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	user_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each user
2	username	CharField (32)	UNIQUE	A unique username for the user
3	password	CharField (32)	NOT_NULL	The hashed password for the user
4	first_name	CharField (32)	NOT_NULL	The user's first name
5	last_name	CharField (32)	NOT_NULL	The user's last name
6	email	EmailField	UNIQUE	The user's email address
7	date_joined	DateTimeField	NOT_NULL	The date and time when the user account was created
8	is_active	BooleanField	NOT_NULL	Indicates whether the user account is active
9	is_staff	BooleanField	NOT_NULL	Indicates whether the user has staff/admin privileges
10	is_superuser	BooleanField	NOT_NULL	Indicates whether the user has superuser/admin privileges

Table 1. tbl_User

2.tbl_UserProfile

Primary key: **profile_id**

Foreign key: **user_id** references table **tbl_User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	profile_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each profile
2	user_id	INT (10)	FOREIGN KEY	Reference to User
3	name	CharField (255)	NOT_NULL	The user's name
4	email	EmailField	UNIQUE	The user's email address
5	profile_pic	ImageField	NOT_NULL	An image for the user's profile
6	phone_number	CharField (10)	NOT_NULL	The user's phone number

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
7	address	TextField	NOT_NULL	The user's address
8	reset_password	CharField (20)	NOT_NULL	A field for reset password
9	latitude	DecimalField(20)	NOT_NULL	A field for latitude
10	longitude	DecimalField(20)	NOT_NULL	A field for longitude

Table 2. tbl_UserProfile

3.tbl_Seller

Primary key: **seller_id**

Foreign key: **user_id** references table **tbl_User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	seller_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each seller
2	user_id	INT (10)	FOREIGN KEY	Reference to User
3	name	CharField (255)	NOT_NULL	The seller'sname
4	email	EmailField	UNIQUE	The seller'semail address
5	storename	CharField(32)	NOT_NULL	The name of the seller's store
6	contact	CharField (10)	NOT_NULL	The seller's phone number
7	address	TextField	NOT_NULL	The seller'saddress
8	landmark	TextField	NOT_NULL	A landmark near the seller's location
9	opening_time	TimeField	NOT_NULL	The opening time of the seller's store.
10	closing_time	TimeField	NOT_NULL	The closing time of the seller's store.
11	opening_days	CharField(255)	NOT_NULL	The days when the seller's store is open.
12	store_image	ImageField	NOT_NULL	An image representing the seller's store.
13	latitude	DecimalField(20)	NOT_NULL	A field for latitude
14	longitude	DecimalField(20)	NOT_NULL	A field for longitude
15	avgrating	INT (10)	NOT_NULL	A field for average rating

Table 3. tbl_Seller

4.tbl_Certification

Primary key: **seller_id**

Foreign key: **user_id** references table **tbl_User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	certification_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each certification
2	user_id	INT (10)	FOREIGN KEY	Reference to User
3	certification_image	ImageField	NOT_NULL	An image representing the certification
4	owner_name	CharField (255)	NOT_NULL	The name of the certification owner
5	store_name	CharField(32)	NOT_NULL	The name of the certified store
6	expiry_date_from	DateField	NOT_NULL	The starting date of the certification's validity
7	expiry_date_to	DateField	NOT_NULL	The ending date of the certification's validity
8	timestamp	DateTimeField	NOT_NULL	The date and time when the certification was created
9	opening_time	TimeField	NOT_NULL	The opening time of the certified store.
10	closing_time	TimeField	NOT_NULL	The closing time of the certified store.
11	opening_days	CharField(255)	NOT_NULL	The days when the seller's store is open.
12	store_image	ImageField	NOT_NULL	An image representing the certified store.
13	is_approved	CharField(20)	NOT_NULL	Approval status

Table 4. tbl_Certification

5.tbl_Category

Primary key: **category_id**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field

1	category_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each category
2	category_name	CharField (32)	NOT_NULL	The name of the category
3	category_description	CharField (32)	NOT_NULL	A description of the category

Table 5. tbl_Category

6.tbl_ Product

Primary key: **product_id**

Foreign key: **category_id** references table **tbl_Category, seller_id** references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	product_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each product
2	product_name	CharField (255)	NOT_NULL	The name of the product selected by the seller
3	category_id	INT (10)	FOREIGN KEY	Reference to the category for the product
4	product_price	DecimalField	NOT_NULL	The price of the product
5	product_image	ImageField	NOT_NULL	An image representing the product
6	product_stock	INT(10)	NOT_NULL	The default stock quantity for the product.
7	seller_id	INT(10)	FOREIGN KEY	Reference to the seller

Table 6. tbl_ Product

7.tbl_ProductSummary

Primary key: **productsummary_id**

Foreign key: **category_id** references table **tbl_Category, product_id** references table **tbl_Product**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	productsummary_id	c	PRIMARY KEY	Auto-generated unique identifier for each product summary

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
2	product_name	CharField (255)	NOT_NULL	The name of the product
3	product_sci_name	CharField(255)	NOT_NULL	The scientific name of the product
4	total_stock	INT (10)	NOT_NULL	The total stock quantity for the product
5	product_image	ImageField	NOT_NULL	An image representing the product
6	product_description	TextField	NOT_NULL	A description of the product
7	category_id	INT (10)	FOREIGN KEY	Reference to the category
8	light_requirements	CharField(255)	NOT_NULL	Light requirements for the product
9	water_requirements	CharField(255)	NOT_NULL	Watering requirements for the product
10	humidity_requirements	CharField(255)	NOT_NULL	Humidity requirements for the product.
11	soil_type	CharField(255)	NOT_NULL	Soil type suitable for the product
12	toxicity_information	TextField	NOT_NULL	Information about the plant's toxicity
13	maintenance_instructions	TextField	NOT_NULL	Maintenance instructions for the product
14	product_id	INT (10)	FOREIGN KEY	Reference to the specific product.
15	stock_is_approved	BooleanField	NOT_NULL	Approval status

Table 7. tbl_ProductSummary

8.tbl_Wishlist

Primary key: **product_id**

Foreign key: **product_id** references table **tbl_Product, user_id** references table **tbl_User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	wishlist_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each Wishlist item
2	date_added	DateTimeField	NOT_NULL	The date and time when the product was added to the wishlist
3	user_id	INT (10)	FOREIGN KEY	Reference to the user

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
4	price	DecimalField	NOT_NULL	The price of the product
5	quantity	IntegerField	NOT_NULL	The quantity of the product in the wishlist
6	product_id	INT(10)	FOREIGN KEY	Reference to the Product

Table 8. tbl_Wishlist

9.tbl_Cart

Primary key: **cart_id**

Foreign key: **user_id** references table **tbl_User, product_id** references table **tbl_Product,
seller_id** references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	cart_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each cart item
2	user_id	INT (10)	FOREIGN KEY	Reference to User
3	product_id	INT (10)	FOREIGN KEY	Reference to Product
4	seller_id	INT (10)	FOREIGN KEY	Reference to Seller
5	quantity	IntegerField	NOT_NULL	The quantity of the product in the cart
6	date_added	DateTimeField	NOT_NULL	The date and time when the product was added to the cart
7	price	DecimalField	NOT_NULL	The price of the product
8	image	ImageField	NOT_NULL	An image representing the product.

Table 9. tbl_Cart

10. tbl_BillingDetails

Primary key: **billing_id**

Foreign key: **user_id** references table **tbl_User**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	billing_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each billing detail
2	user_id	INT (10)	FOREIGN KEY	Reference to User
3	first_name	CharField (255)	NOT_NULL	First name of the billing recipient
4	last_name	CharField (255)	NOT_NULL	Last name of the billing recipient
5	state	CharField (255)	NOT_NULL	State of the billing recipien
6	street_address	CharField (255)	NOT_NULL	Street address of the billing recipient
7	apartment_suite_unit	CharField (255)	NOT_NULL	Apartment, suite, or unit number
8	town_city	CharField (255)	NOT_NULL	Town or city of the billing recipient
9	postcode_zip	CharField (10)	NOT_NULL	Postcode or ZIP code of the billing recipient
10	phone	CharField (10)	NOT_NULL	Phone number of the billing recipient.
11	email	EmailField	NOT_NULL	Email address of the billing recipient

Table 10. tbl_BillingDetails

11. tbl_Order

Primary key: **order_id**

Foreign key: **user_id** references table **tbl_User, product_id** references table **tbl_Product,seller_id** references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	order_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each order
2	user_id	INT (10)	FOREIGN KEY	Reference to User

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
3	product_id	INT (10)	FOREIGN KEY	Reference to Product
4	seller_id	INT (10)	FOREIGN KEY	Reference to Seller
5	total_price	DecimalField	NOT_NULL	The total price of the order
6	order_date	DateTimeField	NOT_NULL	The date and time when the order was placed
7	razorpay_order_id	CharField(10)	NOT_NULL	The order ID provided by Razorpay
8	payment_status	CharField(20)	NOT_NULL	Payment status

Table 11. tbl_Order

12. tbl_OrderItem

Primary key: **orderitem_id**

Foreign key: **order_id** references table **tbl_Order, product_id** references table
tbl_Product,seller_id references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	orderitem_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each order item
2	order_id	INT (10)	FOREIGN KEY	Reference to order
3	product_id	INT (10)	FOREIGN KEY	Reference to Product
4	seller_id	INT (10)	FOREIGN KEY	Reference to Seller
5	quantity	IntegerField	NOT_NULL	The quantity of the product in the order item
6	price	DecimalField	NOT_NULL	The price of the product in the order item
7	total_price	DecimalField	NOT_NULL	The price of the product in the order item
8	seller_is_approved	CharField(20)	NOT_NULL	Approval status from the seller
9	customer_is_approved	CharField(20)	NOT_NULL	Collection status from the customer

Table 12. tbl_OrderItem

13. tbl_Review

.Primary key: **review_id**

Foreign key:**user_id** references table **tbl_User ,seller_id** references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	review_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each review
2	user_id	INT (10)	FOREIGN KEY	Reference to user
3	description	TextField	NOT_NULL	The text description or comments in the review
4	seller_id	INT (10)	FOREIGN KEY	Reference to Seller
5	rating	INT (10)	NOT_NULL	The rating given in the review
6	outof_rating	INT (10)	NOT_NULL	The maximum rating possible

Table 13. tbl_Review

14. tbl_UserSellerDistance

.Primary key: **usersellerdistance _id**

Foreign key:**user_id** references table **tbl_User ,seller_id** references table **tbl_Seller**

No:	Field name	Datatype (Size)	Key Constraints	Description of the field
1	usersellerdistance_id	INT (10)	PRIMARY KEY	Auto-generated unique identifier for each distance
2	user_id	INT (10)	FOREIGN KEY	Reference to user
3	seller_id	INT (10)	FOREIGN KEY	Reference to Seller
4	distance	Float	NOT_NULL	The distance between user and seller

Table 13. tbl_usersellerdistance