**Agri Product Market Place**

**Database schema**

**1. Users Table**

- UserID (Primary Key)

- Username

- Password (Hashed)

- Email

- First Name

- Last Name

- Location

**2. Shops Table**

- ShopID (Primary Key)

- ShopName

- OwnerID (Foreign Key referencing Users)

- Location

- OperatingHours

**3. ProductCatalog Table**

- ProductID (Primary Key)

- ProductName

- Description

- CategoryID (Foreign Key referencing ProductCategories)

- Price

- StockQuantity

**4. ProductCategories Table**

- CategoryID (Primary Key)

- CategoryName

**5. ProductInventory Table**

- InventoryID (Primary Key)

- ShopID (Foreign Key referencing Shops)

- ProductID (Foreign Key referencing ProductCatalog)

- StockQuantity

- MinimumStockThreshold (optional, for inventory management)

**6. ProductServiceability Table**

- ServiceabilityID (Primary Key)

- ProductID (Foreign Key referencing ProductCatalog)

- Serviceable (Boolean, indicating if the product is serviceable for farmers)

**7. Orders Table**

- OrderID (Primary Key)

- UserID (Foreign Key referencing Users)

- OrderDate

- TotalAmount

- Other Order Information

**8. OrderDetails Table**

- OrderDetailID (Primary Key)

- OrderID (Foreign Key referencing Orders)

- ProductID (Foreign Key referencing ProductCatalog)

- Quantity

- Subtotal

**9. Reviews Table**

- ReviewID (Primary Key)

- UserID (Foreign Key referencing Users)

- ProductID (Foreign Key referencing ProductCatalog)

- Rating

- Comment

- DatePosted

In this representation:

Users can have multiple Shops (1 to many relationship).

Shops can have multiple Orders (1 to many relationship).

Orders can have multiple OrderDetails, and each OrderDetail is related to a ProductCatalog entry (1 to many relationship).

Shops can also have multiple ProductInventory entries (1 to many relationship).

ProductCatalog entries can have multiple ProductServiceability entries (1 to many relationship).