

User Roles and Permissions:

Admin:

- **Permissions:**
 - **Add/manage managers:** The admin can create new manager accounts, edit existing ones, and delete managers if needed.
 - **View all orders across farms:** Access to all orders placed by customers across all farm branches.
 - **Manage farm branches:** Admin can add new farm branches, edit existing ones, and manage which managers are associated with each branch.
 - **View messages from contact us:** Access messages sent by users through the contact us page.

Manager:

- **Permissions:**
 - **Add/manage products for their farm:** Managers can add new products to their farm's inventory, edit product details, and remove products if necessary.
 - **View orders specific to their farm:** Managers can see orders placed specifically for products available at their farm.

Customer:

- **Permissions:**
 - **Sign up and log in:** Customers can create an account using the sign-up page and then log in to access their account.
 - **Browse products in the marketplace:** Customers can view all products available for purchase across all farms.
 - **Place orders for products:** Customers can add products to their cart, specify quantities, and complete the ordering process.

Pages:

Home Page:

- **Purpose:** Introduce users to the system.
- **Content:** May display featured products, news updates, or promotional information about the farms or products.

Marketplace:

- **Purpose:** Display products available for purchase.
- **Functionality:** Lists products with details such as name, description, price, and ordering options (e.g., add to cart).

Contact Us:

- **Purpose:** Allow users to send messages to the admin.
- **Functionality:** Includes a form where users can enter their message and contact information, which is then sent to the admin's inbox.

Log In/Sign Up:

- **Log In:**
 - Differentiates between admin, managers, and customers based on credentials.
 - Upon successful login, users are directed to their respective dashboards or pages tailored to their role.
- **Sign Up:**
 - Available only for customers.
 - Customers can create an account by providing necessary details such as name, email, and password.

Functionality:

Admin Features:

- **CRUD operations for managers:** Create, read, update, and delete operations for managing manager accounts.
- **View all orders placed across farms:** Access to a comprehensive view of all orders to monitor sales and inventory.
- **Manage farm branches:** Add, edit, or remove farm branches, and assign or reassign managers to branches.
- **View messages received from the contact us page:** Read and respond to messages from users.

Manager Features:

- **Add/manage products:** Maintain inventory by adding new products, updating existing ones, and removing products that are no longer available.
- **View orders specific to their farm:** Monitor orders placed for products available at their farm to manage inventory and fulfill orders efficiently.

Customer Features:

- **Sign up and log in:** Create an account to access the marketplace and place orders.
- **Browse products:** View available products, filter and search options may be provided to facilitate browsing.
- **Place orders:** Select products, add them to the cart, specify quantities, and complete the purchase process by providing shipping and payment details.

These features and pages collectively form the backbone of an agriculture farm management system, catering to the needs of admins, managers, and customers while facilitating efficient farm operations and customer transactions.