# Objects for Online Shopping App

Problem Statement: Design and develop custom Application (Online Shopping) using Salesforce Cloud.

---

## Objects

1. Online Product

2. Product Category

3. Customer Details

4. Order Details

---

## Fields and Relations

### Online Product

1. Fields:

- Product Name (Text)

- Description (Long Text)

- Price (Currency)

- Stock Quantity (Number)

- Product Category (Picklist)

2. Relationships:

- Related to Product Category (Many-to-One)

### Product Category

1. Fields:

- Category Name (Text/Picklist)

2. Relationships:

- Related to Online Product (One-to-Many)

### Customer Details

1. Fields:

- Name (Text)

- Email (Email)

- Phone Number (Phone)

- Address (Text Area)

2. Relationships:

- Related to Orders Details (One-to-Many)

### Order Details

1. Fields:

- Order Number (Auto-Number)

- Order Date (Date/Time)

- Total Amount (Currency)

- Status (Picklist: Pending, Shipped, Delivered, Cancelled)

2. Relationships:

- Related to Customer Details (Many-to-One)

---

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Great! Here's a **complete end-to-end guide** to building the **Online Shopping App in Salesforce Cloud**, including:

1. **Creating custom objects**
2. **Adding fields**
3. **Setting up relationships**
4. **Creating tabs**
5. **Testing with sample data**
6. (Optional) **Creating a custom app for easy navigation**

**🛠️ STEP 1: Login & Access Setup**

1. Go to [https://login.salesforce.com](https://login.salesforce.com/)
2. Click the **gear icon** (⚙️) > **Setup**
3. In the Quick Find box, type **Object Manager**

**📁 STEP 2: Create Custom Objects**

Repeat the following for each object.

**🔹 1. Product Category**

* **Object Label**: Product Category
* **Object Name**: Product\_Category\_\_c
* Enable:
  + "Allow Reports"
  + "Track Field History"
  + "Allow Activities"

🧩 Add Field:

* **Category Name** → *Data Type:* Text (length: 100)

Save the object.

**🔹 2. Online Product**

* **Object Label**: Online Product
* **Object Name**: Online\_Product\_\_c

🧩 Add Fields:

* **Product Name** → Text (Required)
* **Description** → Long Text Area (e.g., 32768 chars)
* **Price** → Currency
* **Stock Quantity** → Number
* **Product Category** → **Lookup Relationship** to Product Category

**🔹 3. Customer Details**

* **Object Label**: Customer Details
* **Object Name**: Customer\_Details\_\_c

🧩 Add Fields:

* **Customer Name** → Text
* **Email** → Email
* **Phone Number** → Phone
* **Address** → Text Area

**🔹 4. Order Details**

* **Object Label**: Order Details
* **Object Name**: Order\_Details\_\_c

🧩 Add Fields:

* **Order Number** → Auto Number (Format: ORD-{0000})
* **Order Date** → Date/Time
* **Total Amount** → Currency
* **Status** → Picklist (Pending, Shipped, Delivered, Cancelled)
* **Customer** → **Lookup Relationship** to Customer Details

**🔗 STEP 3: Relationships**

| **Child Object** | **Parent Object** | **Relationship Type** | **Field Type** |
| --- | --- | --- | --- |
| Online Product | Product Category | Many-to-One | Lookup Relationship |
| Order Details | Customer Details | Many-to-One | Lookup Relationship |

✅ How to Create:

* Go to Object > **Fields & Relationships** > **New**
* Select **Lookup Relationship**
* Choose related object (e.g., Product Category)
* Follow prompts and save

**🧭 STEP 4: Create Tabs for Navigation**

1. In Setup, search **Tabs**
2. Click **New Custom Object Tab**
3. Choose each object (Online Product, Product Category, etc.)
4. Pick a tab icon and save
5. Add them to the App via App Manager (see next step)

**🧩 STEP 5: (Optional) Create a Custom App**

1. Go to Setup > **App Manager**
2. Click **New Lightning App**
3. Name: Online Shopping App
4. Add navigation items: Online Product, Product Category, Order Details, Customer Details
5. Finish and open your app

**🧪 STEP 6: Enter Sample Data**

**🔹 Product Categories**

| **Category Name** |
| --- |
| Electronics |
| Clothing |
| Home Appliances |

**🔹 Online Products**

| **Product Name** | **Description** | **Price** | **Stock** | **Category** |
| --- | --- | --- | --- | --- |
| Smart TV | 55" 4K Ultra HD TV | 45000 | 10 | Electronics |
| T-Shirt | Cotton White T-Shirt | 500 | 200 | Clothing |
| Blender | 500W kitchen blender | 2500 | 50 | Home Appliances |

**🔹 Customers**

| **Name** | **Email** | **Phone** | **Address** |
| --- | --- | --- | --- |
| Riya Sharma | [riya@example.com](mailto:riya@example.com) | 9999999999 | Pune, Maharashtra |
| Rahul Verma | [rahul@example.com](mailto:rahul@example.com) | 8888888888 | Delhi, India |

**🔹 Order Details**

| **Order Date** | **Total Amount** | **Status** | **Customer** |
| --- | --- | --- | --- |
| 2024-05-01 10:00 | 45000 | Delivered | Riya Sharma |
| 2024-05-02 12:30 | 3000 | Shipped | Rahul Verma |

**🎁 Optional Add-ons (Advanced)**

If you want to extend your app:

* Create a **junction object** called Order Product to store multiple products per order
* Add **formula fields** to auto-calculate totals
* Create **Validation Rules** (e.g., stock can’t go below 0)
* Use **Flows** to automate order confirmation emails

Would you like a visual ER diagram or a PDF guide version of this?