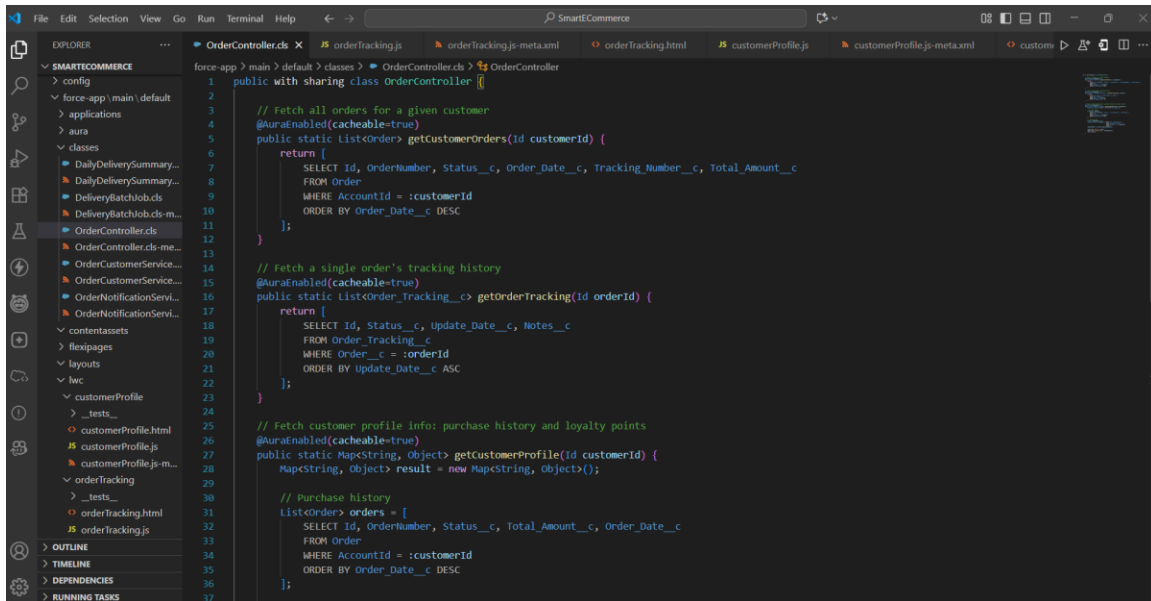


Smart E-Commerce CRM

Phase 6: User Interface (UI) Development

1. Apex Controller – OrderController.cls

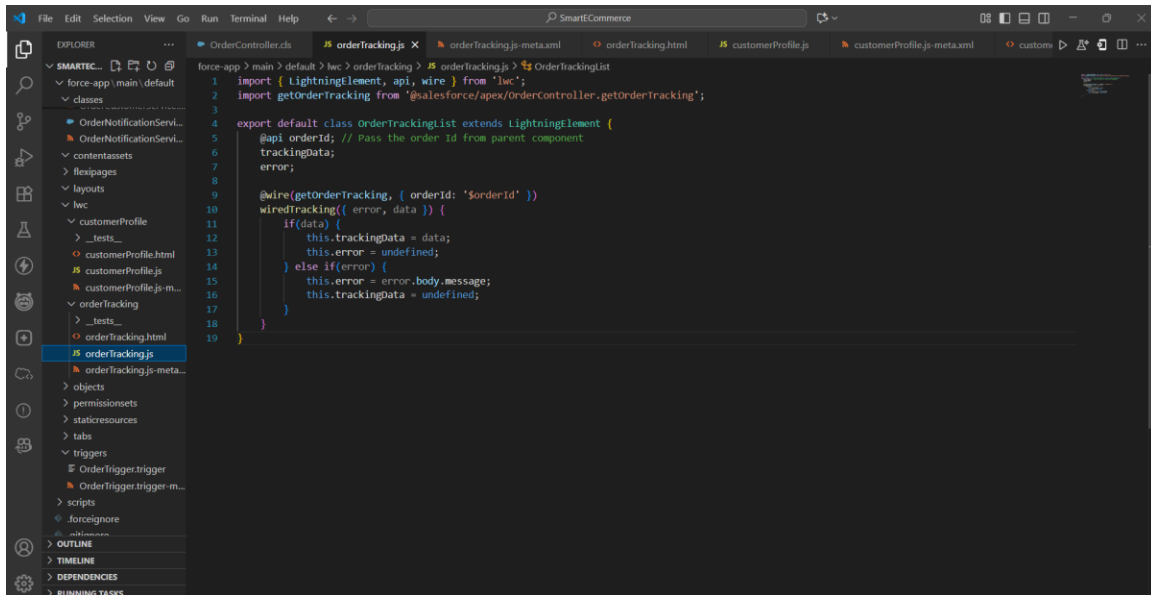
Provides methods for fetching order details, tracking updates, and customer history for UI components.



```
1 public with sharing class OrderController {
2
3     // Fetch all orders for a given customer
4     @AuraEnabled(cacheable=true)
5     public static List<Order> getCustomerOrders(Id customerId) {
6         return [
7             SELECT Id, OrderNumber, Status__c, Order_Date__c, Tracking_Number__c, Total_Amount__c
8             FROM Order
9             WHERE AccountId = :customerId
10            ORDER BY Order_Date__c DESC
11        ];
12    }
13
14    // Fetch a single order's tracking history
15    @AuraEnabled(cacheable=true)
16    public static List<Order_Tracking__c> getOrderTracking(Id orderId) {
17        return [
18            SELECT Id, Status__c, Update_Date__c, Notes__c
19            FROM Order_Tracking__c
20            WHERE Order__c = :orderId
21            ORDER BY Update_Date__c ASC
22        ];
23    }
24
25    // Fetch customer profile info: purchase history and loyalty points
26    @AuraEnabled(cacheable=true)
27    public static Map<String, Object> getCustomerProfile(Id customerId) {
28        Map<String, Object> result = new Map<String, Object>();
29
30        // Purchase history
31        List<Order> orders = [
32            SELECT Id, OrderNumber, Status__c, Total_Amount__c, Order_Date__c
33            FROM Order
34            WHERE AccountId = :customerId
35            ORDER BY Order_Date__c DESC
36        ];
37    }
```

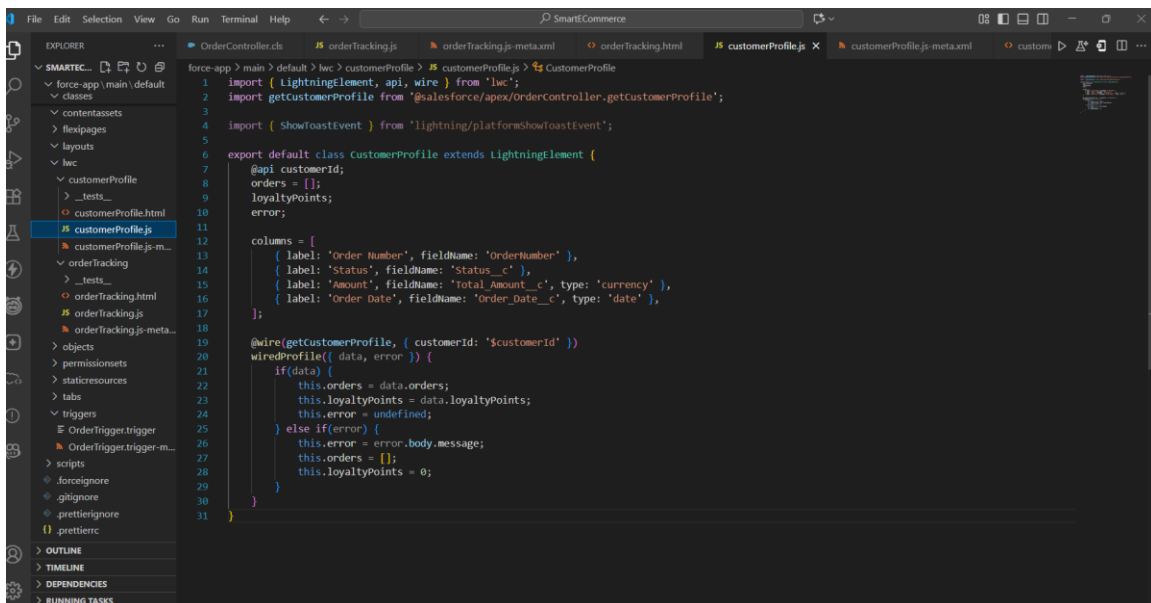
2. LWC – orderTrackingList

Displays live order status (Placed, Packed, Shipped, Delivered) with real-time updates for customers.



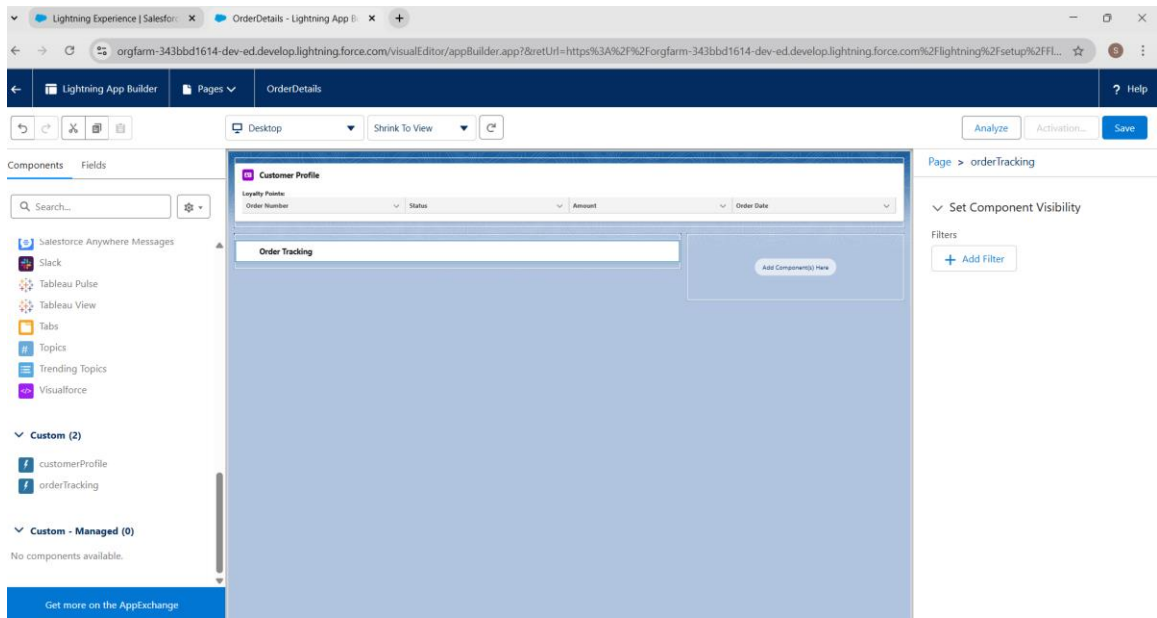
3. LWC – customerProfile

Allows customers to view purchase history, loyalty points, and initiate return/refund requests from profile page.



4. Adding Components to Pages

Order tracking component added to Home Page, Customer profile page, and Support Agent dashboard.



5. Testing the UI

Verified that customers can track orders, request returns, and view personalized offers seamlessly.