**Marketplace Technical Foundation - Day 2**

**1. Technical Plan Aligned with Business Goals:**

**Q-Commerce Marketplace for Crowdsourced Delivery**

The core goal of the marketplace is to offer **real-time product delivery** with fast fulfillment, focusing on quick deliveries to customers. The distinguishing feature is **crowdsourced delivery**: if no nearby user accepts the delivery request (who would get a small fee), the delivery request is escalated to a rider.

**Key Features & Alignment:**

* **Crowdsourced Delivery**: Users nearby can accept a delivery task for a small fee. If no one accepts within a specific time frame, it escalates to a rider.
* **Real-Time Inventory Updates**: Products are updated dynamically to reflect real-time availability, ensuring accurate product listings.
* **Shipment Tracking**: Delivery progress is tracked through a **third-party shipment API** (e.g., ShipEngine or any similar provider) that provides real-time status updates.
* **Delivery SLA Tracking**: The system tracks delivery SLA (Service Level Agreement) for both crowdsourced users and riders, ensuring that customers are informed about delivery timelines.
* **Payment Integration**: Payment is processed quickly, allowing users to pay for their orders and riders/crowdsourced users to receive their delivery fees immediately.

These features are all geared towards ensuring that the delivery is quick, accurate, and reliable, which aligns perfectly with the core value of **Q-Commerce**.