UNDERTANDING MARKETPLACE TYPE:

Differences ETWEEN: E-Commerce, Q-Commerce, Rental E-Commerce

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| Aspect | E-Commerce | Q-Commerce | Rental E-Commerce |
| Business Model | Broad (buy-to-own) | Quick fulfillment | Rent-and-return |
| Logistics Needs | Standard logistics | High-speed delivery | Specialized inventory handlin |
| Market in Pakistan | Growing steadily | Rapidly emerging | Small but niche potential |

TYPE OF PROJECT:

Q- COMMERCE (QUICK-COMMERCE)

PRIMARY PURPOSE

A Q-commerce location for basic need basics conveyance gives moment get to to new create, wash room staples, and family supplies, conveying things rapidly (inside 30-60 minutes). It offers a user-friendly stage, secure exchanges, and solid conveyance, guaranteeing item accessibility and precision whereas catering to the comfort required for active ways of life.

  What problem does your marketplace aim to solve?

• Our commercial center centers on fathoming common issues in basic need and fundamental conveyances, such as item inaccessibility and lapsed or non-fresh things. We guarantee the accessibility and exactness of new and unexpired items, give a user-friendly stage planned for active ways of life, and offer secure installment choices beside responsive client back to form the method basic and reliable.

 Who is your target audience?

• Our focused on group of onlookers incorporates active experts, guardians, elderly individuals, and anybody looking for fast get to to basic basic supplies and family things without the ought to take off their domestic. We center on giving a solid, helpful, and user-friendly arrangement to meet their regular needs productively.

 What products or services will you offer?

* • We offer new and unexpired basic need fundamentals with exact and tried and true conveyance. Our user-friendly stage makes it straightforward to browse, arrange, and get regular necessities, guaranteeing a consistent and solid encounter for active experts, guardians, elderly individuals, and anybody requiring speedy get to to nuts and bolts at domestic.
*  What unique aspect will differentiate your marketplace (e.g., speed, affordability, customization)?

• Our commercial center is exact and reliable, centering on conveying new and unexpired basic need fundamentals with ease. With a user-friendly stage, we make it straightforward for active experts, guardians, elderly individuals, and anybody requiring speedy get to to nuts and bolts at domestic to browse, arrange, and track their every day necessities. We offer our clients with comfort, exactness, and peace of intellect.

SCHEMA OF Q- COMMERCE

Q-Commerce GROCERY AND ESSENTIAL Delivery System Schema

Entities:

 Users *(id, name, address, phone\_number, email, user\_type (e.g., parent, professional, elderly))*

 Products *(id, name, category (e.g., fresh produce, pantry, household items), description, price, stock\_quantity, expiration\_date)*

 Orders *(id, user\_id, product\_id, order\_date, delivery\_date, order\_status* *(Pending, Shipped, Delivered, Canceled), total\_price)*

 Payment *(id, order\_id, payment\_date, amount, payment\_status* *(Pending, Failed, Successful))*

 Delivery *(id, order\_id, delivery\_address, delivery\_time, delivery\_status* *(Out for Delivery, Delivered, Failed))*)

Relations:

1. Users ↔ Orders: A user can place one or more orders, often repeating purchases based on needs or scheduling deliveries (e.g., weekly).
2. Orders ↔ Products: Each order can contain multiple products from different categories, including perishables, ensuring that expiration dates are tracked for product freshness.
3. Orders ↔ Payments: Each order has a payment record, which tracks the status of the transaction (Pending, Failed, or Successful) to ensure secure processing.
4. Orders ↔ Delivery: Every order is linked to a delivery, which includes tracking delivery status (e.g., Out for Delivery or Delivered) and ensures products arrive on time and in good condition.
5. Delivery ↔ Products: Delivery is responsible for ensuring the timely and quality arrival of products, including perishable items, to customers at the correct address, within the delivery window.

USER

ID

NAME

ADDRESS

PHONE-NUMBER

E-MAIL

USER-TYPE

PRODUCT

ID

NAME

CATEGORY

DESCRIPTION

PRICE

STOCK

EXPIRY-DATE

ORDER

ID

USER-ID

PRODUCT-ID

ORDER-DATE

DELIVERY-DATE

ORDER-STATUS

*(Pending, Shipped, Delivered, Canceled)*

TOTAL-PRICE

DELIVERY

ID

ORDER-ID

DELIVERY-ADDRESS

DELIVERY-TIME

DELIVERY- STATUS

*(Out for Delivery, Delivered, Failed)*

PAYMENT

ID

ORDER-ID

PAYMENT-DATE

AMOUNT

PAYMENT-STATUS

*(Pending, Failed, Successful)*