

Traveler-Based Parcel Delivery Application

Concept, Flow Diagrams & UI Screens

1. Concept Overview

This application allows users to send parcels between cities using travelers instead of traditional courier services. It supports liquid items via private travelers and offers low-cost, flexible delivery.

2. User Roles

Sender: Creates parcel requests.

Traveler: Posts routes and delivers parcels.

Receiver: Receives parcels using OTP verification.

3. Security System

All users must complete CNIC, selfie, phone, and email verification. Parcels require photos, category selection, and value declaration.

4. OTP Verification

Pickup OTP: Confirms parcel collection.

Delivery OTP: Confirms successful delivery.

5. Transport Rules for Liquids

Liquids are only allowed with private vehicle travelers. Public transport travelers cannot carry liquid items.

6. System Flow Diagram

User Login | Select Mode (Sender / Traveler) | Traveler Posts Route <--> Sender Creates Parcel Request | Traveler Accepts Request | Pickup OTP Verification | Live GPS Tracking | Delivery OTP Verification | Payment + Rating

7. UI Screens (Sender)

Home Screen: Select Sender Mode

Create Parcel: Add item details, photos, receiver info

Track Parcel: View live location

Delivery Status: See OTP confirmation

8. UI Screens (Traveler)

Home Screen: Select Traveler Mode
Post Route: Enter start & destination city
Requests: View nearby parcel requests
Pickup Screen: Enter Pickup OTP
Delivery Screen: Enter Delivery OTP

9. UI Screens (Receiver)

SMS/WhatsApp Notification: Delivery details
OTP Screen: Show OTP to traveler
Confirmation: Parcel received

10. Business Advantages

Supports liquid items, offers low-cost delivery, ensures secure handovers, and provides real-time tracking.