**Software Requirements Specification (SRS)**

**Project Name:** Peer-to-Peer Delivery & "Bring Me" Platform  
**Version:** 1.0

**1. Scope**

**1.1 Purpose**

Build a dual-category platform where users can:

1. **Send/Bring Items**: Request deliveries or ask travellers to fetch specific items.
2. **Post Travel Plans**: Offer to carry packages/shop for others during trips.

**1.2 Features Overview**

| **Category** | **Key Features** |
| --- | --- |
| **Send/Bring Me** | Package requests, "Bring Me" item requests, escrow payments, proof of delivery. |
| **Travel Plans** | Trip posting, auto-matching, capacity management, reward negotiation. |
| **Shared** | User profiles, chat, ratings, notifications, admin dashboard. |

**2. User Requirements**

**2.1 User Roles**

| **Role** | **Permissions** |
| --- | --- |
| **Sender** | Post package delivery requests. |
| **Requester** | Post "Bring Me" item requests (with links/descriptions). |
| **Traveler** | Post trips, accept delivery/"Bring Me" tasks, negotiate rewards. |
| **Admin** | Manage users, resolve disputes, monitor prohibited items. |

**2.2 Use Cases**

**UC-1: Post a Delivery Request**

* **Actor**: Sender
* **Steps**:
  1. Select "Send a Package."
  2. Enter pickup/destination, photos, weight, deadline.
  3. Offer reward.
  4. Publish request.

**UC-2: Post a "Bring Me" Request**

* **Actor**: Requester
* **Steps**:
  1. Select "Bring Me an Item."
  2. Add item description/store link, destination, reward.
  3. Travelers bid or accept.

**UC-3: Post a Travel Plan**

* **Actor**: Traveler
* **Steps**:
  1. Select "Post a Trip."
  2. Enter route, dates, transport mode, available space.
  3. Choose to enable "Bring Me" tasks.

**UC-4: Accept a Request**

* **Actor**: Traveler
* **Steps**:
  1. Browse matched requests.
  2. Accept request → Chat to confirm details.
  3. Mark as "Picked Up" and "Delivered" with photo proof.

**3. System Requirements**

**3.1 Functional Requirements**

| **ID** | **Requirement** |
| --- | --- |
| FR-001 | Users shall sign up with email/phone. |
| FR-002 | Travelers shall post trips with routes, dates, and capacity (kg/liters). |
| FR-003 | Senders/Requesters shall post delivery or "Bring Me" requests with rewards. |
| FR-004 | System shall auto-match requests with compatible trips (route/date/space). |
| FR-005 | Users shall negotiate terms via in-app chat with photo attachments. |
| FR-006 | Payments shall be held in escrow until delivery confirmation. |
| FR-007 | Travelers shall upload proof of pickup/delivery (photos/receipts). |
| FR-008 | Users shall rate each other post-delivery (1–5 stars + comments). |

**3.2 Non-Functional Requirements**

| **ID** | **Requirement** |
| --- | --- |
| NFR-001 | Response time < 2 seconds for 10,000 concurrent users. |
| NFR-002 | End-to-end encryption for chats/payments (PCI DSS compliance). |
| NFR-003 | Support iOS (v14+), Android (v10+), and responsive web. |
| NFR-004 | 99.9% uptime with AWS/GCP hosting. |

**4. Technical Specifications**

**4.1 Architecture**

* **Frontend**: Flutter.
* **Backend**: Node.js + Express.js.
* **Database**:Supabase
* **APIs**: Google Maps (routes), Stripe/PayPal (payments), Twilio (SMS/WhatsApp).

**5. Risk Management**

| **Risk** | **Mitigation** |
| --- | --- |
| Fraudulent travelers | ID verification + escrow payments. |
| Prohibited items | manual admin review. |
| Disputes over item condition | Require unboxing videos for high-value "Bring Me" requests. |

**6. Monetization**

* **Commission**: 5–10% fee per completed transaction.
* **Promoted Listings**: Boost requests/trips for a fee.
* **Premium Memberships**: Priority support, lower fees.

This SRS covers all functional, technical, and business aspects. Let me know if you'd like to prioritize specific features or adjust the architecture!