

## Proposal Conversion to Relations of the Logistics ERD Diagram

### 1. Delivery (delivery)

- del\_reference\_id (PK, FK)
- src\_address (FK)
- source\_name
- destination\_address (FK)
- receiver\_name
- delivery\_status
- partner\_id (FK)

### 2. Delivery\_Partner (partner)

- partner\_id (PK)
- rider\_name
- vehicle
- app
- username
- password

### 3. History (history)

- del\_history\_id (PK, FK, AI)
- description
- timestamp
- checkpoint\_location

- del\_reference\_id (FK)

#### 4. Courier\_Admin (courier\_admin)

- admin\_id (PK, AI, FK, U)
- username (U)
- password (U)

#### In the above relations:

- PK: Primary Key
- FK: Foreign Key
- AI: Auto Increment
- U: Unique

#### **Explanation:**

The Delivery relation has a primary key of del\_reference\_id, which is also a foreign key referencing another table.

The Delivery\_Partner relation has a primary key of partner\_id, which is also a foreign key referenced in the Delivery relation.

The History relation has a primary key of del\_history\_id, which is also a foreign key referencing the Delivery relation.

The Courier\_Admin relation has a primary key of admin\_id, which is also a foreign key referenced in the History relation.

The src\_address and destination\_address foreign keys in the Delivery relation may reference an

Address relation, which is not shown in the ERD.

The username and password fields in the Delivery\_Partner and Courier\_Admin relations are marked as unique, indicating that each user has a unique username and password.