Courier User-Case Diagram and explanations
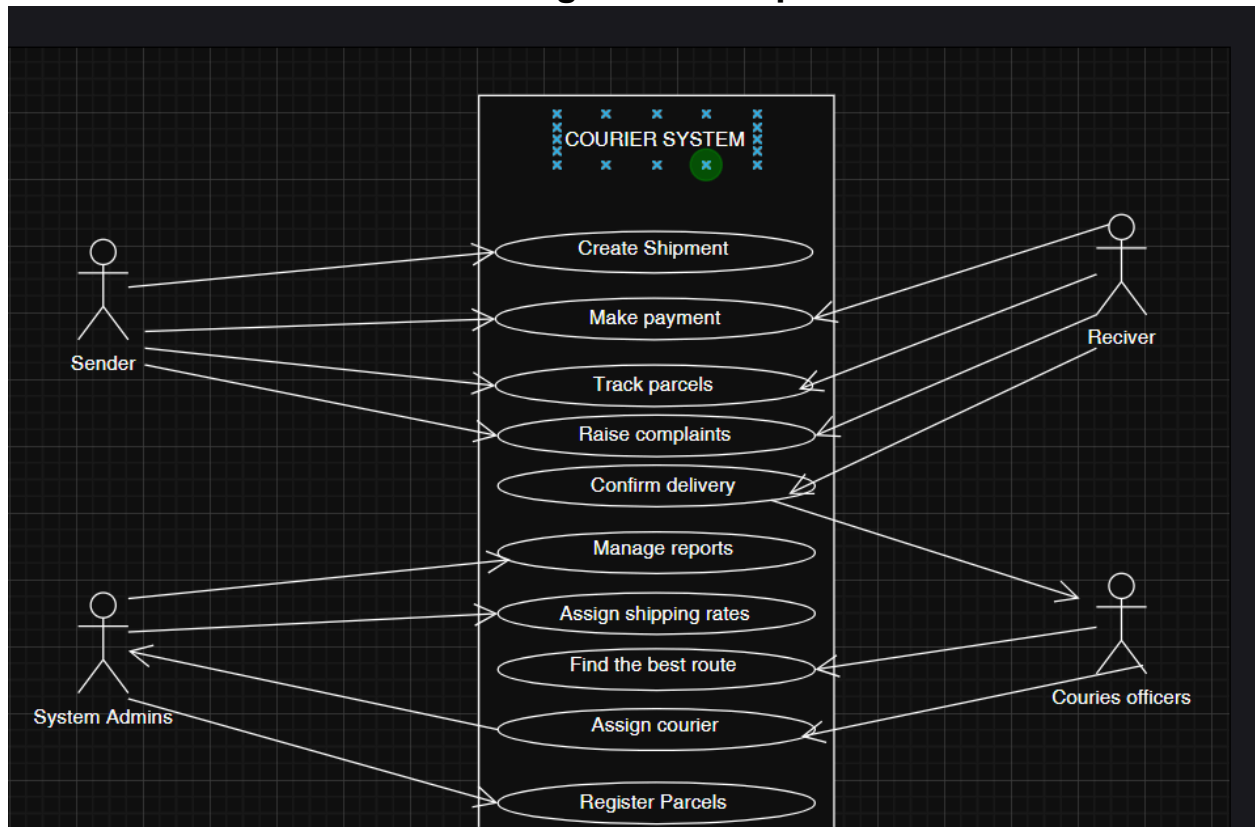

Courier System – Use Case UML Explanation

1.Sender Use Case Relationships

Create Shipment – Sender initiates shipment by providing parcel, sender, and receiver details.

Make Payment – Sender pays for shipment services. Payment is mandatory for shipment processing.

Track Parcels – Sender monitors parcel location and delivery status.

Raise Complaints – Sender reports issues such as delays, loss, or poor service.

Confirm Delivery – Sender confirms successful delivery where applicable.

2.Receiver Use Case Relationships

Track Parcels – Receiver checks parcel movement and expected delivery time.

Raise Complaints – Receiver reports damaged, delayed, or missing parcels.

Confirm Delivery – Receiver confirms receipt of the parcel.

3.System Admin Use Case Relationships

Manage Reports – Admin generates and reviews system, delivery, and financial reports.

Assign Shipping Rates – Admin sets and updates shipping costs based on distance, weight, or service type.

Assign Courier – Admin assigns shipments to available courier officers.

Register Parcels – Admin registers parcels manually when required.

4.Courier Officers Use Case Relationships

Find the Best Route – Courier officers determine optimal delivery routes.

Assign Courier – Courier officers receive and accept assigned deliveries.

Confirm Delivery – Courier officers update the system after successful delivery.