# EXPERIMENT NO. – 3

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**ROLL NO.** – 40

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**AIM** - To create class diagram for given system in StarUML.

**PROBLEM STATEMENT –** Create a Class diagram using Star UML application

 for "Online Courier Management System"

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## COURIER MANAGEMENT SYSTEM

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## --DESCRIPTION--

This class diagram in the Unified Modeling Language (UML) is a type of
static structure diagram that describes:

- The structure of a system by showing the system's classes.
- Their attributes, operations (or methods).
- The relationships among objects.
- Class Diagram is graphic depiction of the interactions among the
  elements of Courier Management System.
- It determines the working of the system by defining classes and
  associations between them.

**--SPECIFIC FEATURES--**

1) <u>Administrator</u>:
   - View Analytics and Reports.
   - Authorize Users.
   - Profiling of Users.
   - Manage warehousing.
   - Modify Customer Details.


2) <u>Customers</u>:
   - Can Register Account.
   - Can Add Consignments.
   - Can Track Consignments.
   - Can Modify their details.
   - Can opt for Premium Deliveries.
   - Can Give Feedbacks.
   - Can Do Payment.
   - Can Add their Details [Sender].


3) <u>Dispatch</u>:
   - Can Provide Premium Delivery.
   - Will Dispatch Consignments.
   - Can Track Consignments.
   - Can Package Consignment.
   - Can Find Location/Pin Code Availability.


4) <u>End User</u>:
   - Only Register Account.

# --STAR UML DIAGRAM--

## Online Courier Tracking System

**Admin**

-authorize_user: String
-employee_id: String

-modifyCustomerDetails()
-getEmployeeDetails()
-getAnalyticsReports()

**Customer**

-customer_name: String
-customer_id: Integer
-customer_address: String

-order()
-register()
-track()
-billing()

**End User**

-user_name
-user_password
-user_contact

-register_user()

**Account**

-user_name
-user_password
-user_details

**Consignment**

-consignment_name: String
-delivery address: String
-customer_info: String
-consignment_type

-track_consignment()

**Order**

-order_no: Integer
-date_issued: Date
-track_order: String

**Employee**

-emp_name: String
-emp_id_num: Integer
-emp_department: String

**Dispatch**

-order_no: Integer
-delivery_details: Integer
-delievery_person_info: String

-dispatch_status()
-finding_location()

**«enumeration»**
**delievery_address**

Home
Work
Other

**«enumeration»**
**delievery_details**

Premium
Normal