

## EXPERIMENT NO. - 2

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**ROLL NO. - 40**

**DATE - 03-02-2021**

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

### **PROBLEM STATEMENT -**

#### **--Functionalities**

Required [R]:

Desirable [D]:

- [R]: User Registration
- [R]: User Authorization
- [R]: Add Consignment [Goods Details]
- [R]: Packaging [Parcel]
- [R]: Warehousing ... \*\*
- [R]: Dispatch Consignment
- [R]: Track Consignment [SMS/e-tracking]
- [D]: Add Sender Details
- [D]: Add Consignment Particulars .. weight/type of material/
- [D]: Location Finder / PinCode Availability
- [D]: Surcharges [Fuel/Risk]
- [D]: Prioritized Delivery / Premium Delivery
- [R]: Billing (Invoicing)
- [R]: Feedback
- [D]: Undelivered/Damaged Consignments
- [D]: Analytics & Reports
- [D]: Modify Customer Details
- [D]: User Profiling

#### **--Users:**

[Registered / Normal]

- Administrator
- End User [Guest]
- Dispatch Staff
- Delivery Staff
- Customer
- Operating Staff

#### **--Minimal Use Case Specifics**

- Include
- Extend

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## COURIER MANAGEMENT SYSTEM

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### --DESCRIPTION--

This use case diagram is graphic depiction of the interactions among the elements of Courier Management System.

- A UML use case diagram is the primary form of system/software requirements for a new software program underdeveloped.
- Use cases specify the expected behavior (what), and not the exact method of making it happen (how).
- Use cases once specified can be denoted both textual and visual representation (i.e., use case diagram).

The main actors of Courier Management System in this use case diagram are:

- Administrator
- End User
- Dispatch Staff
- Delivery Staff
- Customer
- Operating Staff

### --SPECIFIC FEATURES--

1) Administrator:

- View Analytics and Reports.
- Authorize Users.
- Profiling of Users.
- Manage warehousing.
- Modifying Customer Details.

2) Operating Staff:

- Feedback.
- Billing [Invoicing].
- Can Authorize Users.
- Add Consignments.
- Add Sender Details.
- Modifying Customer Details.

3) Customers:

- 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].

4) Dispatch Staff:

- Can Provide Premium Delivery.
- Will Dispatch Consignments.
- Can Track Consignments.
- Can Manage Warehouse.
- Can Package Consignment.
- Surcharges [Risk].
- Can Find Location/Pin Code Availability.

5) Delivery Staff:

- Look After Undelivered Consignments.
- Surcharges [Fuel/Risk].
- Can Find Location/Pin Code Availability.

6) End User:

- Only Register Account.

## --STAR UML DIAGRAM --

