

Project Title - E-Post Office

Project Phase – Use Case, E-R Diagram and DFD

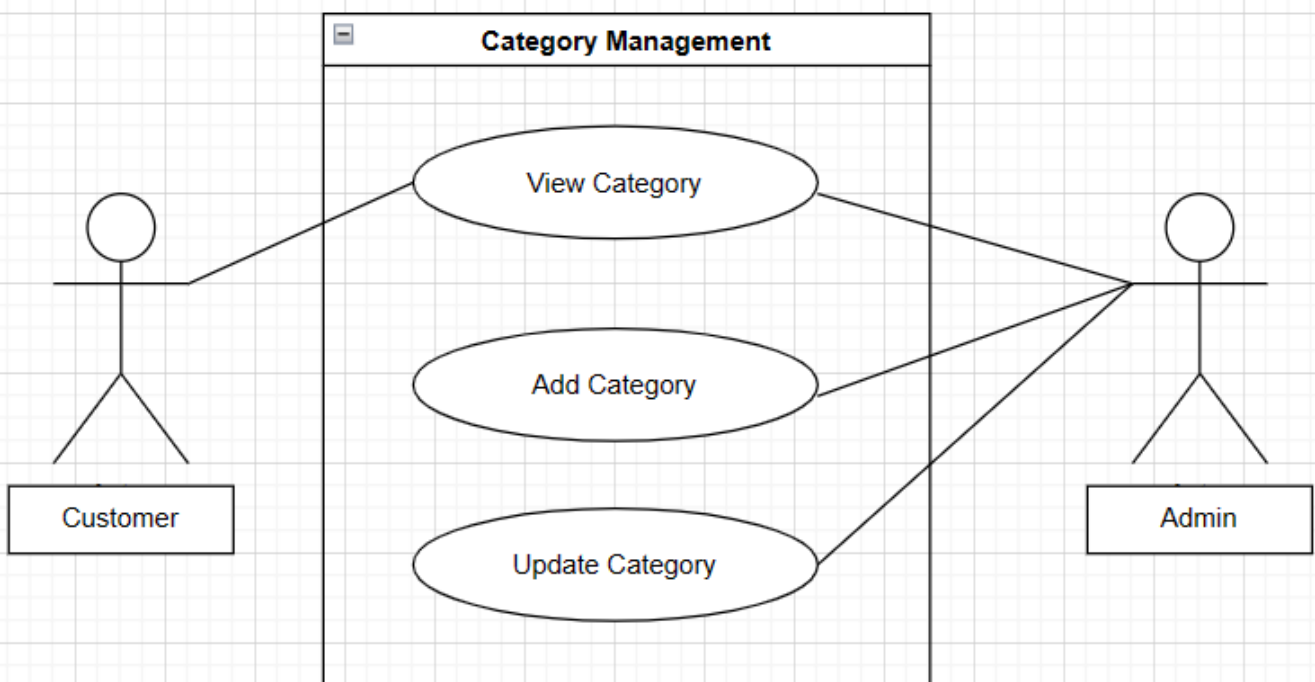
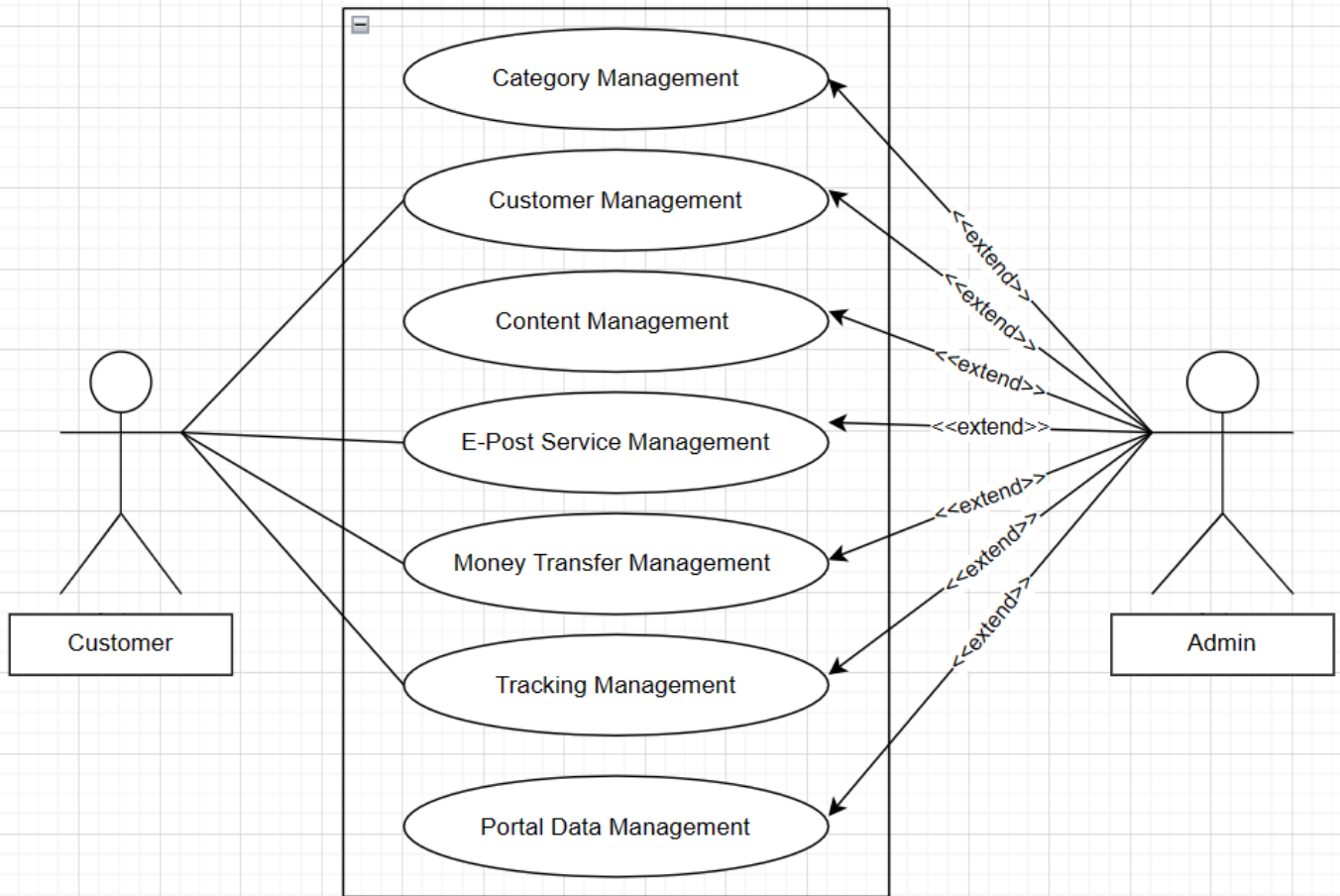
Structured Chart

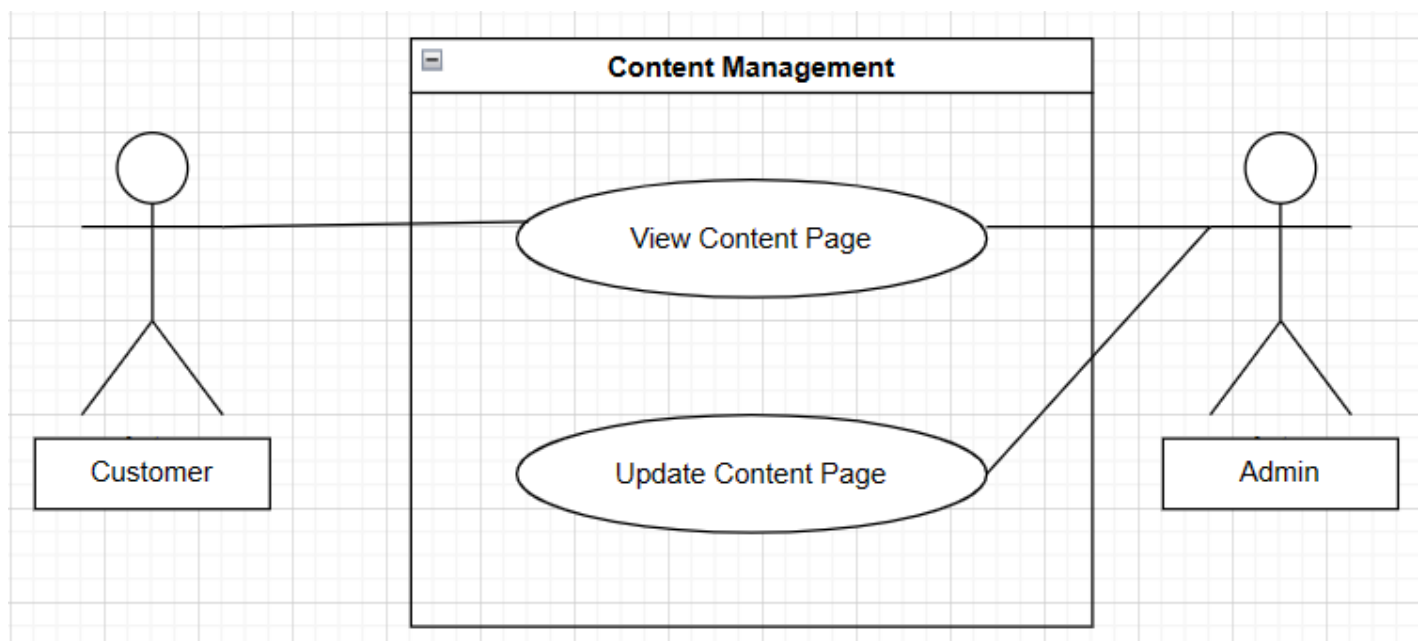
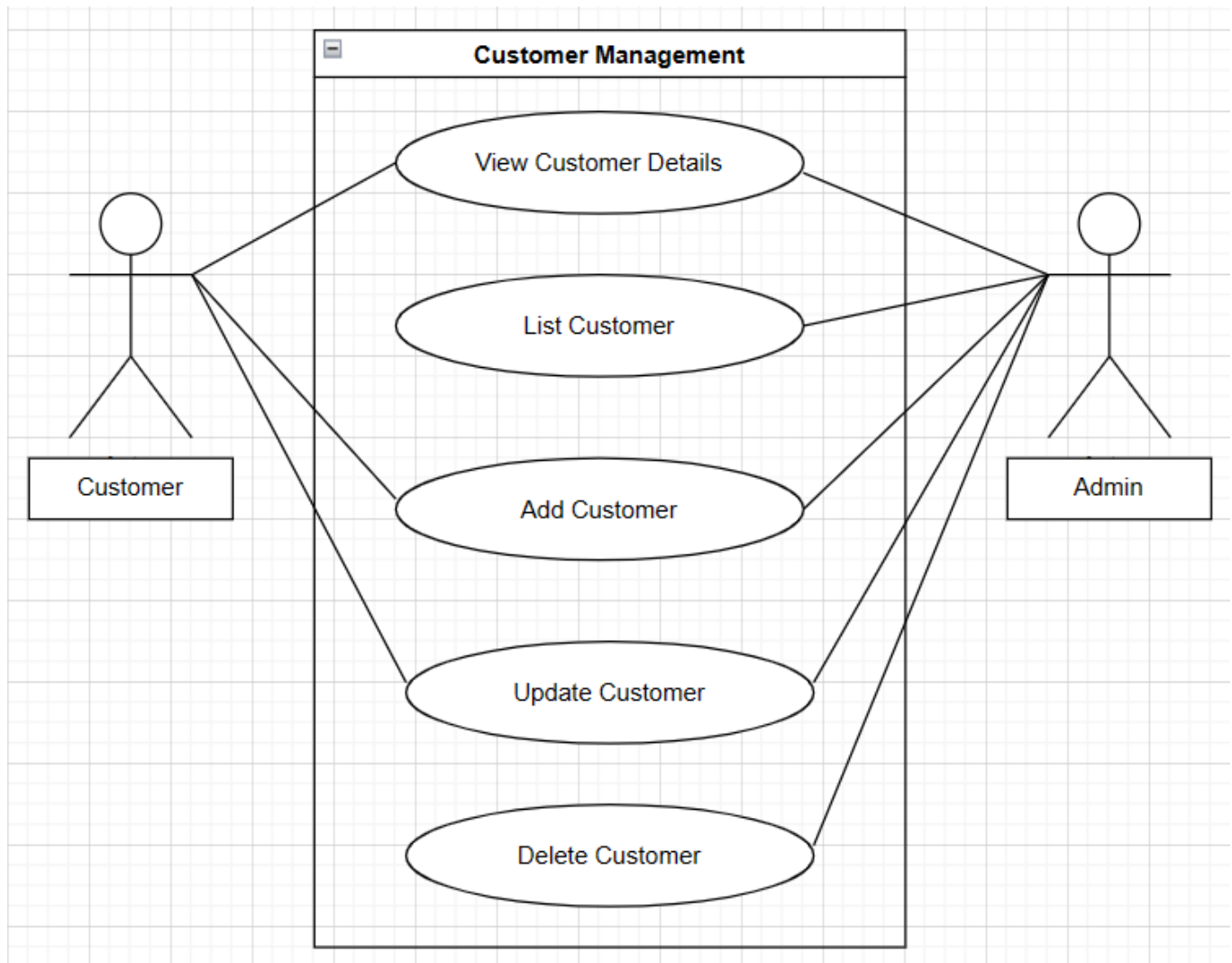
Group Members:

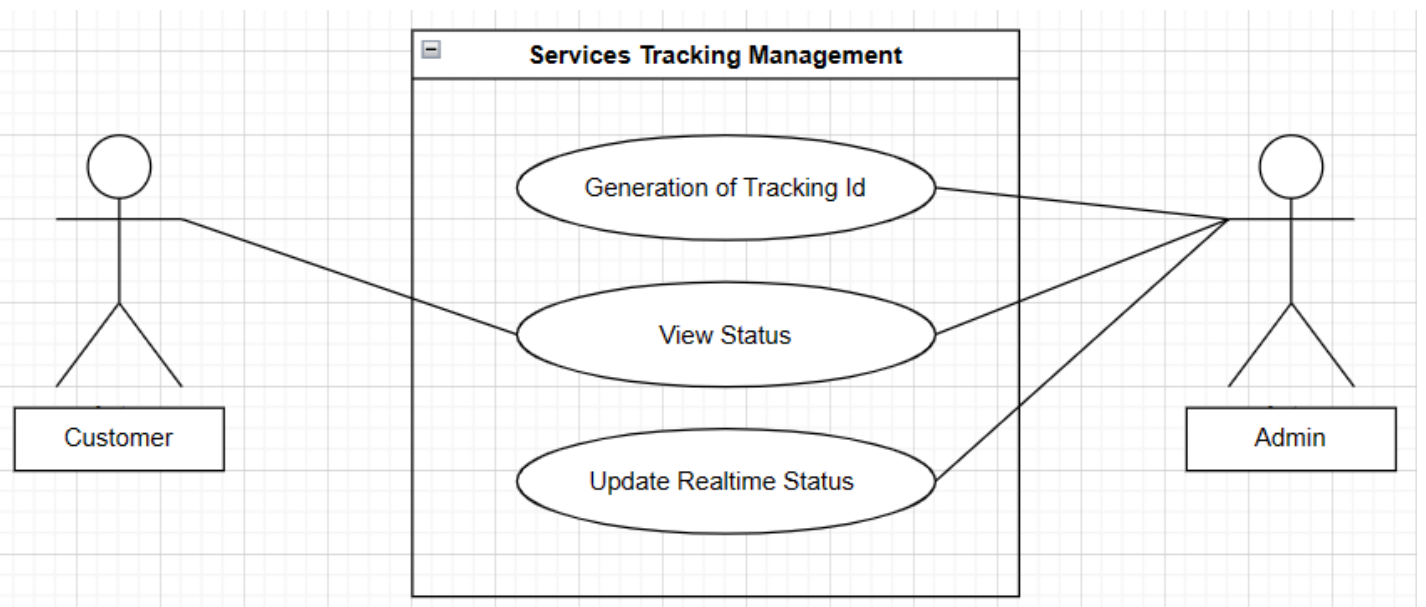
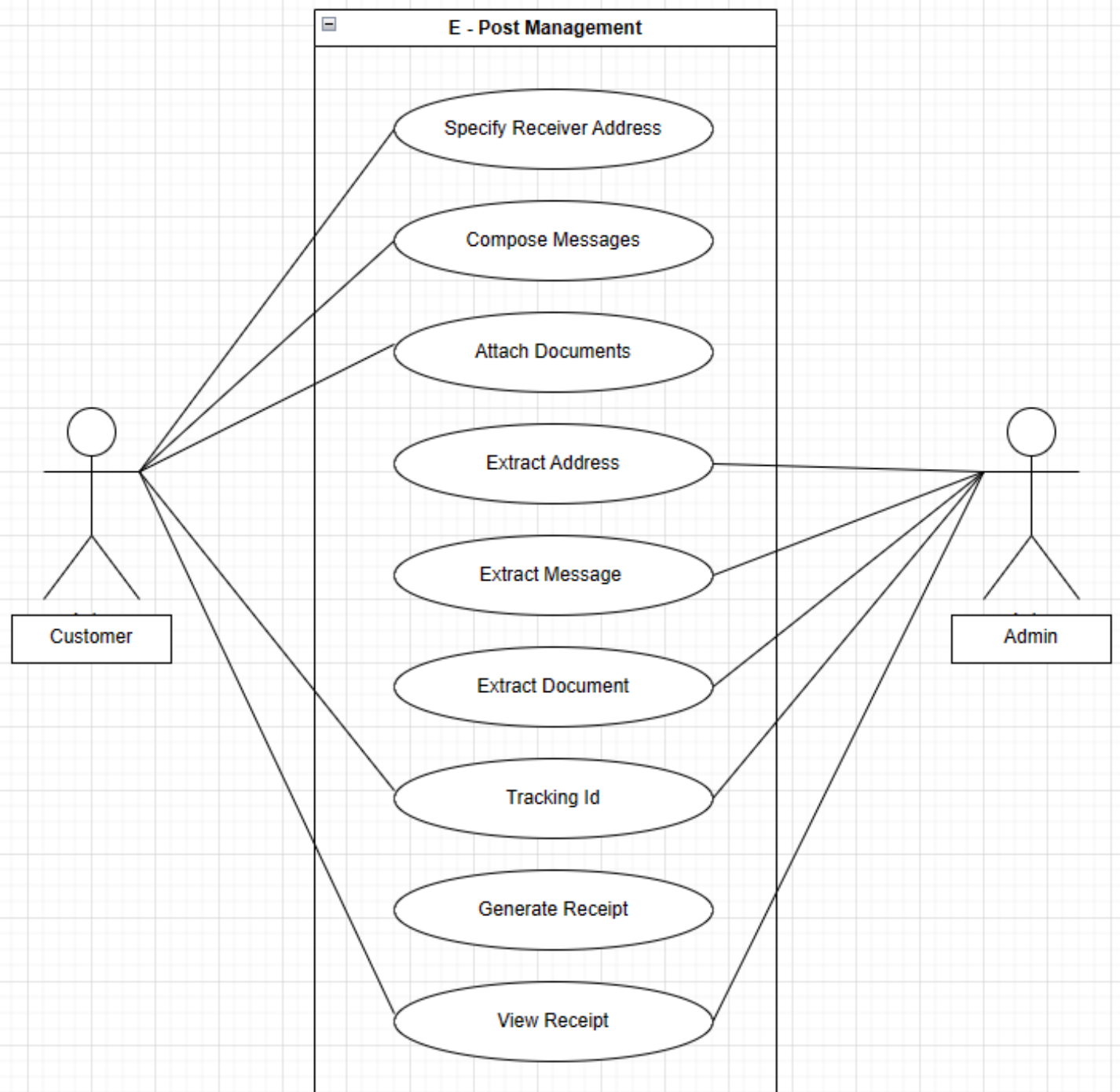
- 1. Raghu Kiran R – 21BCE7706**
- 2. Ramith Yadav S – 21BCE7731**
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- 4. Dumpa Deva Harsha – 21BCE8911**
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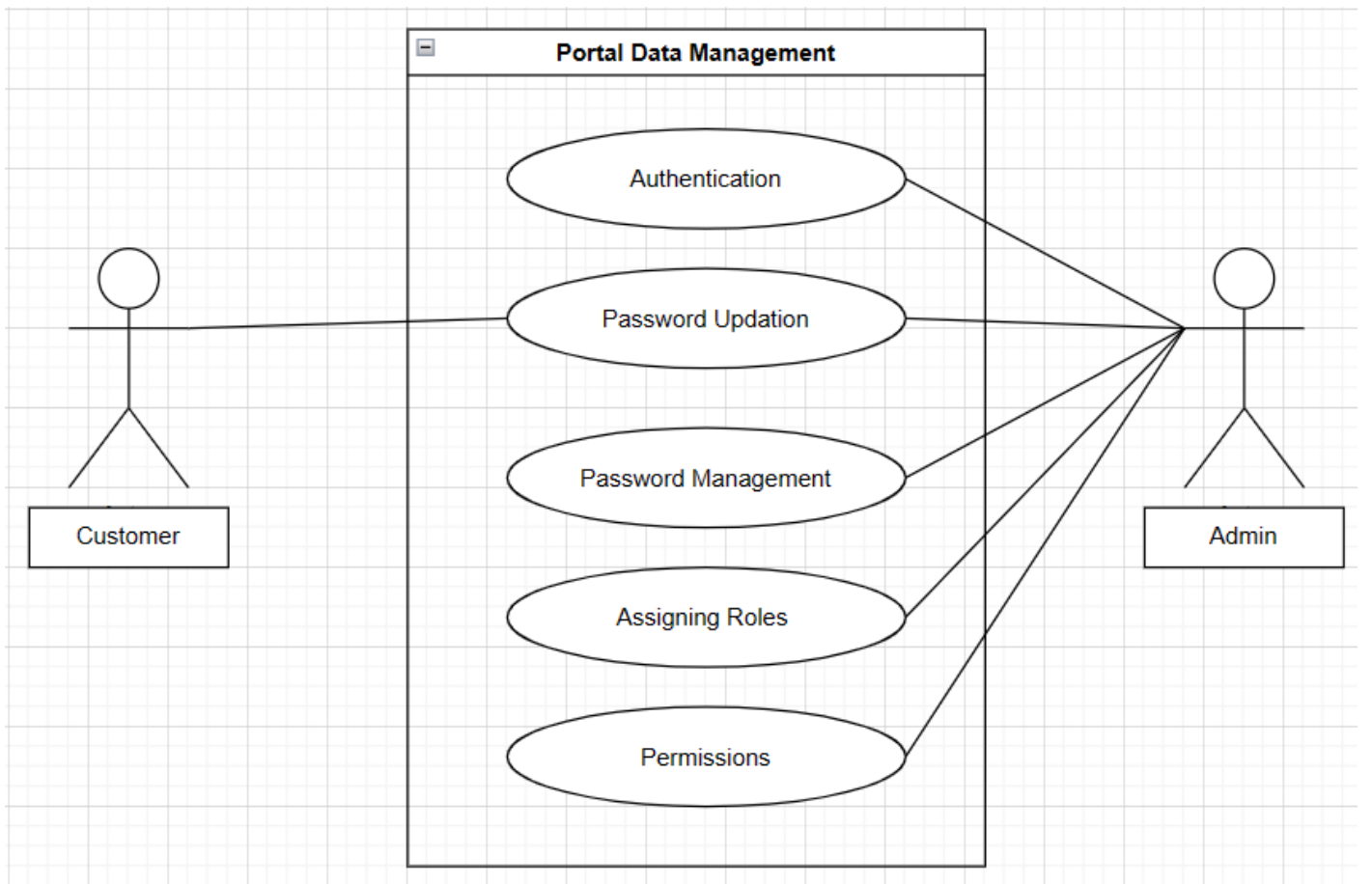
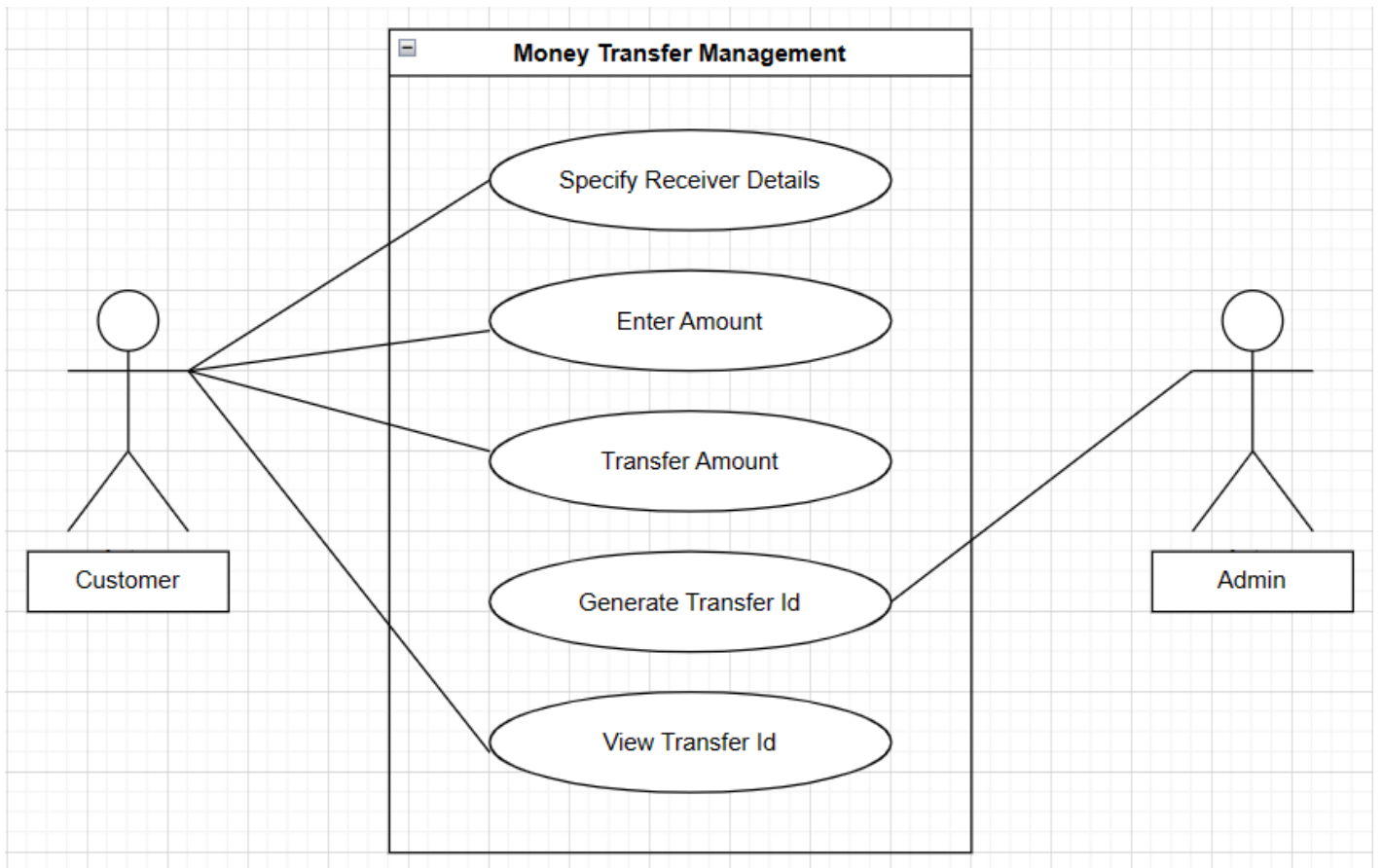
USE CASE DESIGN:

E-POST OFFICE PORTAL

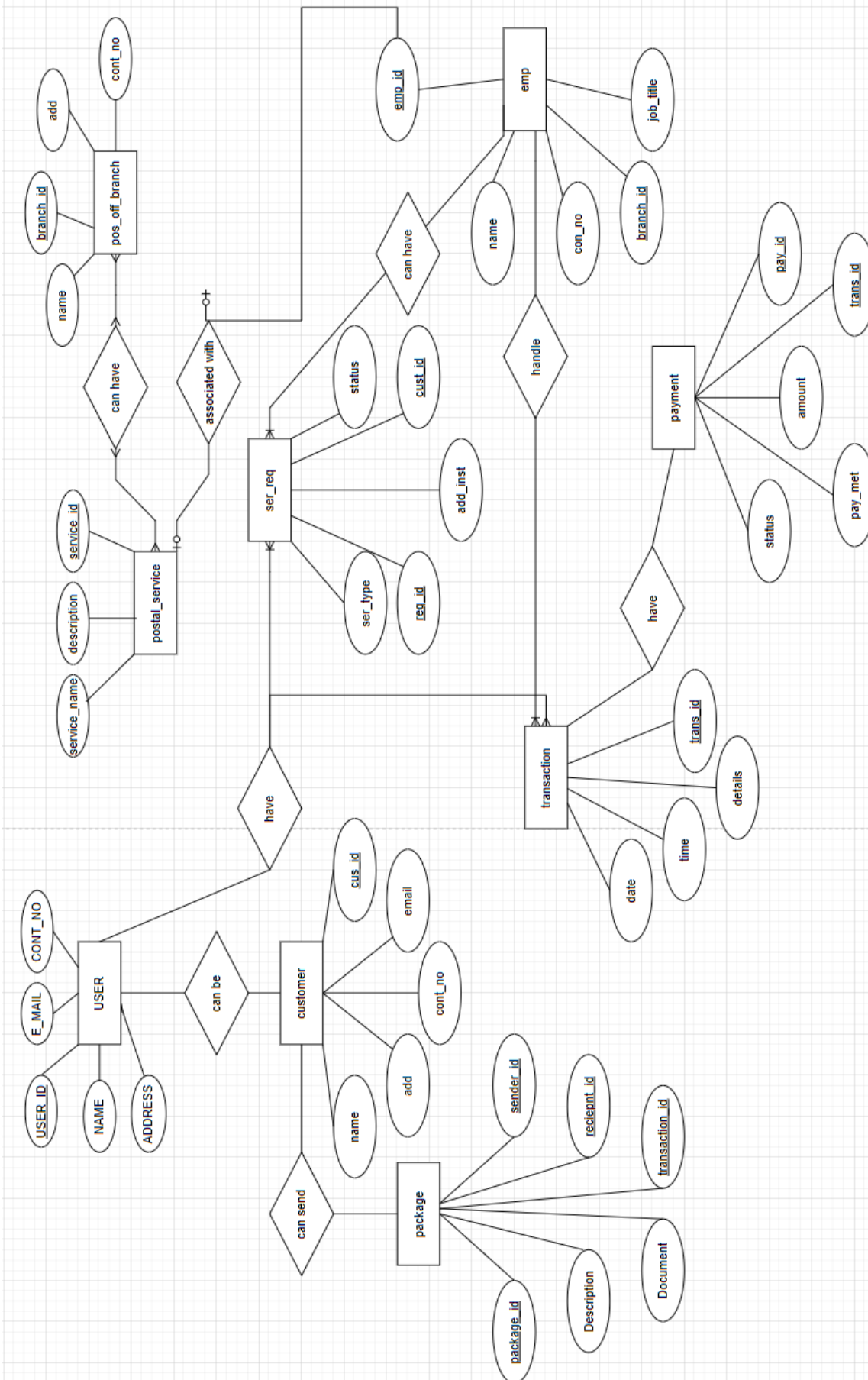








E-R DIAGRAM FOR E-POST OFFICE:

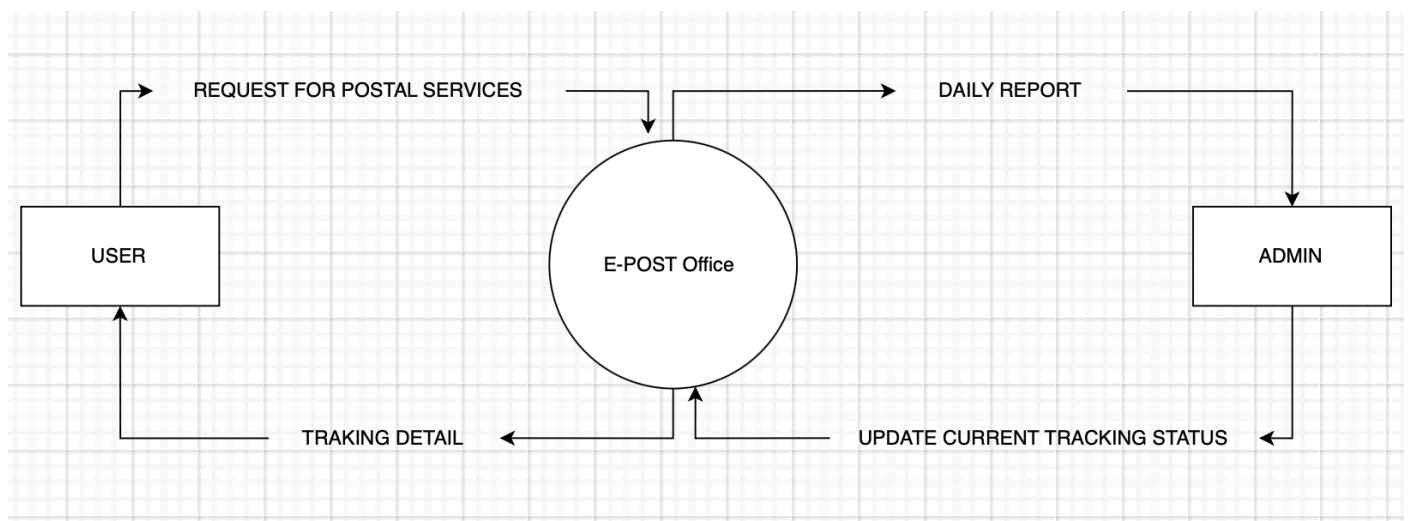


Data Flow Diagram

Context (Level-0) Data Flow Diagram:

This diagram describes the E Post office management system at a high level. In this context data flow diagram, there are two main external entities:

- User
- Admin



Level-1 DFD:

In this level the single data flow diagram process is divided into multiple sub processes.

All Postal Services:

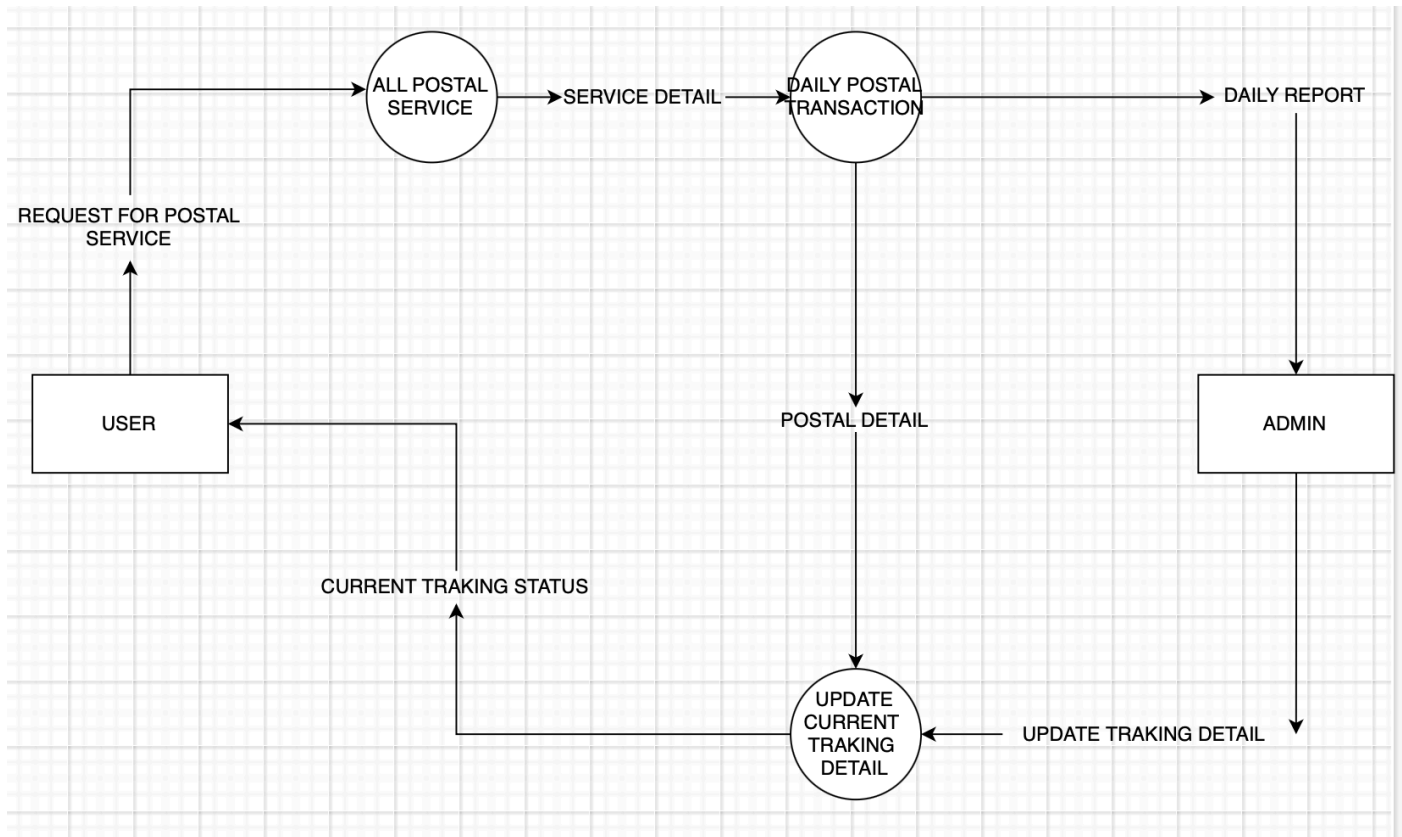
This subprocess handles all the postal services such as parcel booking, registered post, money transfer and speed post, provided by the post office to the user. This sub process takes user's postal service request and process it.

Daily Postal Transaction:

This process takes data from the "All Postal Services" process and maintain daily record of each transaction. This process sends daily postal service report to the admin and also send this record to "Update Current Tracking Detail: process.

Update Current Tracking Detail:

This process takes all postal transaction detail and update their current status as the post or parcel reach to next hub that comes in its destination path. User can track current status of the parcel or post by tracking code given to him.



LEVEL-2 DFD:

This level further divides major process of level 1 in to smaller sub process. Level 2 also gives information about data stores.

In this level 2 DFD the "All Postal Service" process is divided into 4 Sub processes:

Registered Post:

This sub process handles all the registered post requests and maintain record. For every registered post a unique tracking code is given to the user. User can view current tracking status of the registered post.

Post Booking:

As the name indicates this sub process receives all the post booking requests and maintain record of it. User can know about the current location of post with tracking code given to them.

Speed Post:

This sub process handles all speed post request from the user and maintain its record. User can know current status of their speed post with tracking code.

Money Order:

When a user request for Money order service. This sub process handles this request.

Database:

The database of the post office management system is composed of following:

- Registered Post DB
- Parcel Booking DB
- Speed Post DB
- Money Order DB
- Postal Tracking DB

