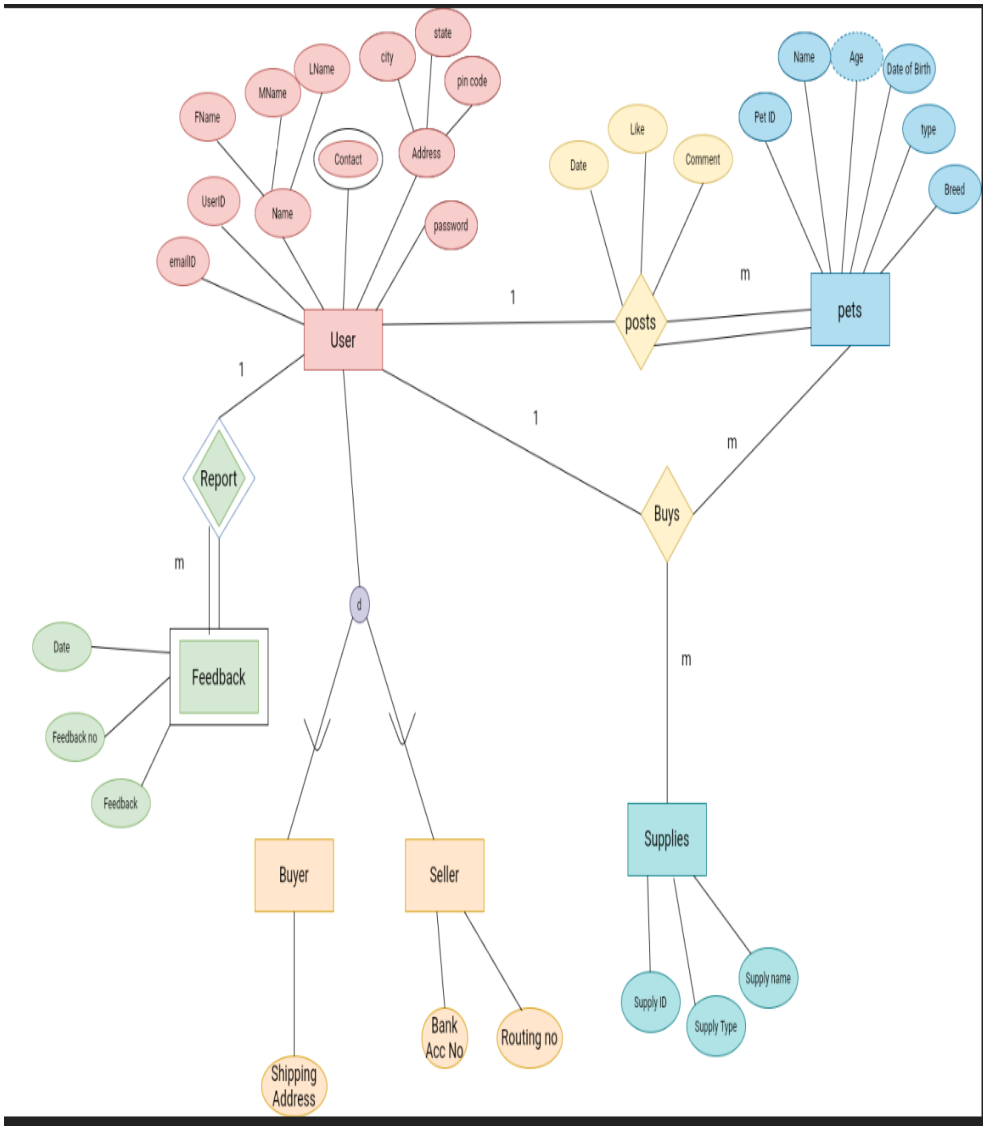
Submitted by: Deepankar Gupta **Batch: A** **Roll no: 18**

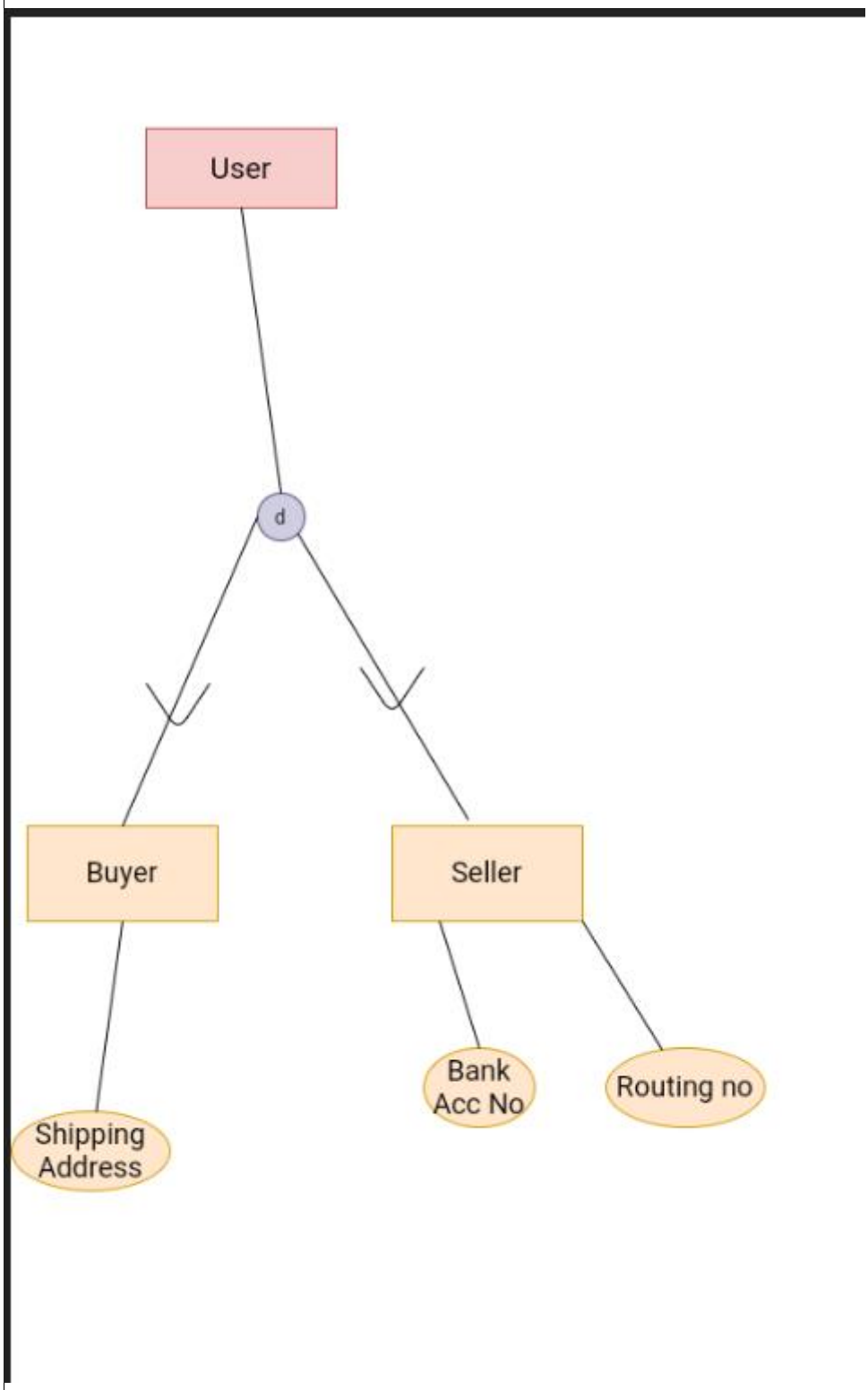
Experiment No: 1

Topic:	Construct an ER diagram for assigned application.
Prerequisite:	Knowledge of ER and EER concepts are required.
Mapping With COs:	CSL503.1
Objective:	- To acquire basic knowledge of database - Able to design ER model of case study
Outcome:	1. Students will be able to understand the importance of database 2. Able to draw ER diagram for the given case study
Instructions:	1. This experiment is a compulsory experiments. All the studentsare required to perform this experiment in a group. 2. Find minimum 1 case study each group-wise and get approval from subject in-charge.
Deliverables:	Hand-written submission: Problem statement: • A pet shop website where the users can register themselves. These registered users can buy or sell pets with convenience. • Every user has details like name, contact number, address, user id, email and password associated with it categorizing it into a buyer or a seller. • Every buyer thus has a shipping address and every seller has a bank account no. and a routing number. • The website allows these users to post about pets and the information like pet id, Name, Age, DOB, type and breed. • The users can either buy pets or pet supplies or both. The pet supplies comprise of a supply id, supply type and a supply feed. • The user can further report a feedback based on their experience. Every feedback has a date, feedback number and the feedback message.

2. Draw ER model for the assigned application. (Show step-wise)



3. Draw Generalization/Specialization for your assigned system and apply constraint on it.



Conclusion:	Students will able to explain the basics of DBMS, RDBMS and able to design ER/ EER Model for any application.
References:	www.moodle.dbit.in

Don Bosco Institute of Technology
Department of Computer Engineering

Assessment Rubric for Experiment No. :1

Title of Experiment : ER diagram for assigned application. **Performance Date :**
Year and Semester : 3rd Year and Vth Semester **Submission Date :**

Name: Deepankar Gupta **Roll No.** : **18** **Batch : A**

Sr. No.	Criteria	1 Marks	2 Marks	3 Marks	4 Marks	5 Marks
1	Productivity (i.e. How much percentage of work completed)	Diagram captures 10-30 % of following: - all entities - attributes - types of attributes - relationships - cardinalities - Weak Entity - Recursive relationships - any one EER features	Diagram captures 31-50 % of following: - all entities - attributes - types of attributes - relationships - cardinalities - Weak Entity - Recursive relationships - any one EER features	Diagram captures 51-70 % of following: - all entities - attributes - types of attributes - relationships - cardinalities - Weak Entity - Recursive relationships - any one EER features	Diagram captures 71-89 % of following: - all entities - attributes - types of attributes - relationships - cardinalities - Weak Entity - Recursive relationships - any one EER features	Diagram captures 90-100 % of following: - all entities - attributes - types of attributes - relationships - cardinalities - Weak Entity - Recursive relationships - any one EER features
2	Performance (i.e Quality of work and performance in Lab)	20-39% of the entity positions and relationship directions are logical and clear from the client's perspective. Participation was minimal.	40-59% of the entity positions and relationship directions are logical and clear from the client's perspective. Did the lab but did not appear very interested.	60-79% of the entity positions and relationship directions are logical and clear from the client's perspective. Used time pretty well. Stayed focused on the experiment most of the time.	80-100% of the entity positions and relationship directions are logical and clear from the client's perspective. Used time well in lab and focused attention on the experiment.	
3	Viva	Students hardly answered.	Student has problems while answering.	Questions are answered fairly well.	Questions are answered completely and correctly.	
4	Submission on Time	Submitted after the given deadline	Submitted before the given deadline			

Faculty In-charge: Signature:_____

(Ms. Sana Shaikh)