

## CSE 370– Database Systems

### Assignment 2

Summer 2024

Section - 15

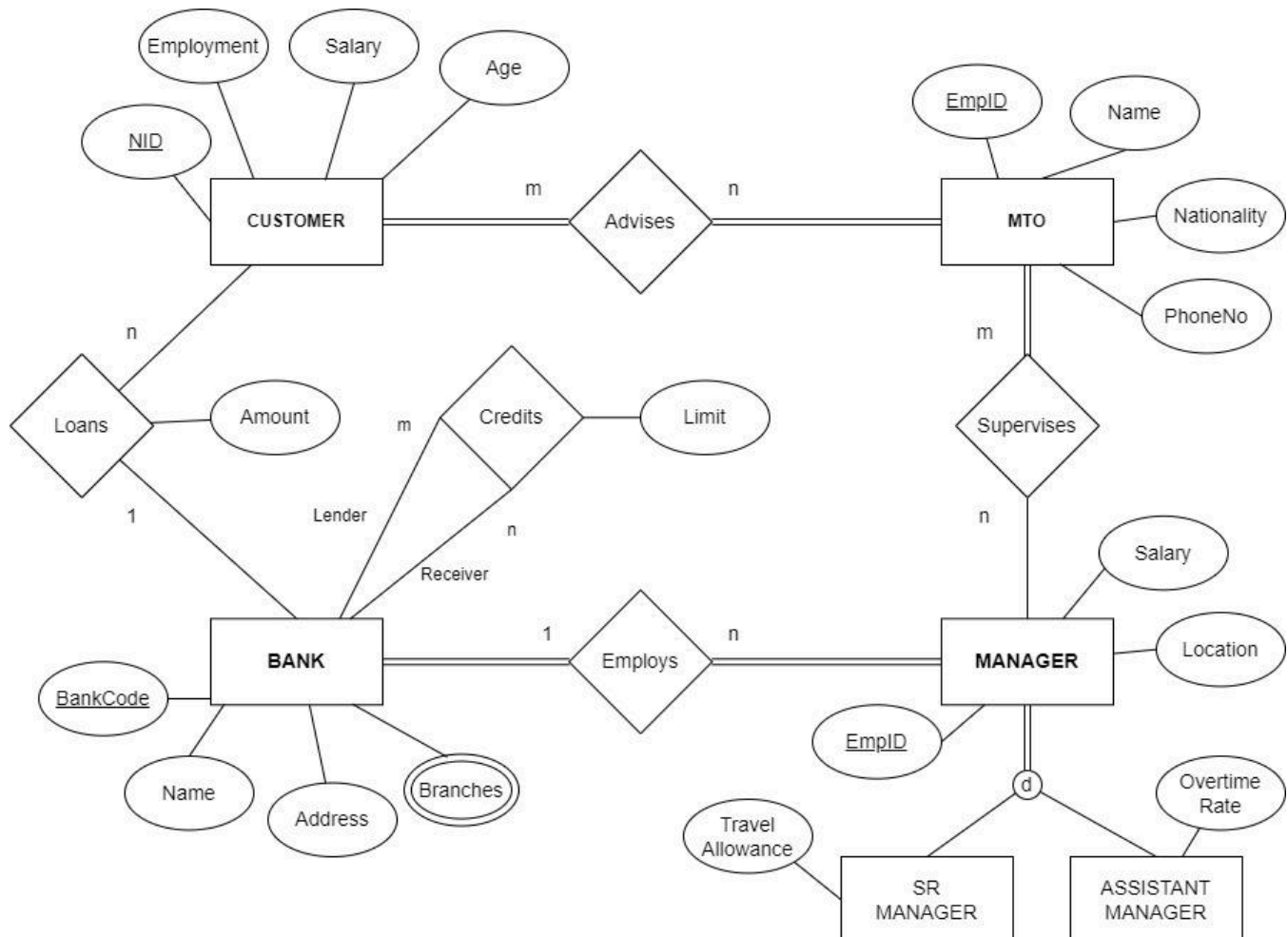
#### Submission Instructions:

1. Write your name, id, section on top of the first page
2. Your answer should be handwritten
3. **Submission Deadline:** 19th September, 2024. [Submit physical copy in class]
4. **NO LATE SUBMISSION WILL BE ACCEPTED**

#### Question 1 [CO3]

[10 Marks]

Construct a schema diagram given the EER diagram below



**Question 2 [CO3]****[5 Marks]**

You run an online nursery where every Plant has PlantID(unique), species, localName, price. Plants can be either houseplant or outdoor plant but not both. Houseplants have the attributes scent, waterIntake and outdoor plants have the attributes fruitName, flowerName.

- A. Now design an EER to represent the above scenario. [2]
- B. There are 4 ways to map specialization/generalization. Map the EER into a schema relation from the 4 options that you think is best suitable. [3]

**Question 3 [CO3]****[5 Marks]**

Construct a schema diagram given the EER diagram below

