

# PORTFOLIO

## Report and Discussion of the Completed Labs

**2.week2-week4:** Completed DB\_Lab\_02 through practical class explanation and review of courseware 02\_Data\_Modelling, with 1 completion times and 3 attempts (attempts appeared in 4.b and 8,9).

**week2:** In this week, I completed parts 1, 2, and 4 of BASICTASKS, which took 1 hour in total. The number of attempts of each task was 3, and the number of completions was 1. The number of attempts of 2 questions is 1, and the number of completions is 1; The number of attempts of the 4 questions is 3 (mainly concentrated in b), and the number of completions is 1.

**week3:** During the week, 5 of BASICTASKS and 6,7 of MEDIUMTASKS were completed. The total time is one and a half hours, 5 attempts are 3, and the number of completions is 1; The number of attempts of 6 questions is 4, and the number of completions is 2; The number of attempts for the 7 questions is 7 and the number of completions is 3.

**week4:** In this week, I completed questions 8 and 9 and revised other answers, which took a total of 2 hours. The number of attempts for questions 8 and 9 was 9, and the number of completions was 4.

**Note:** If the number of completions is not 1, it means that the original result has been modified

## Personal Reflection and Critical Evaluation

**2.DB\_Lab\_02** For me, I spend more time on operation and thinking than on understanding of concepts. The ER diagram allows me to deepen the concepts of entity and relationship through time and time modification, but the structure of the ER diagram is not clear and concise.

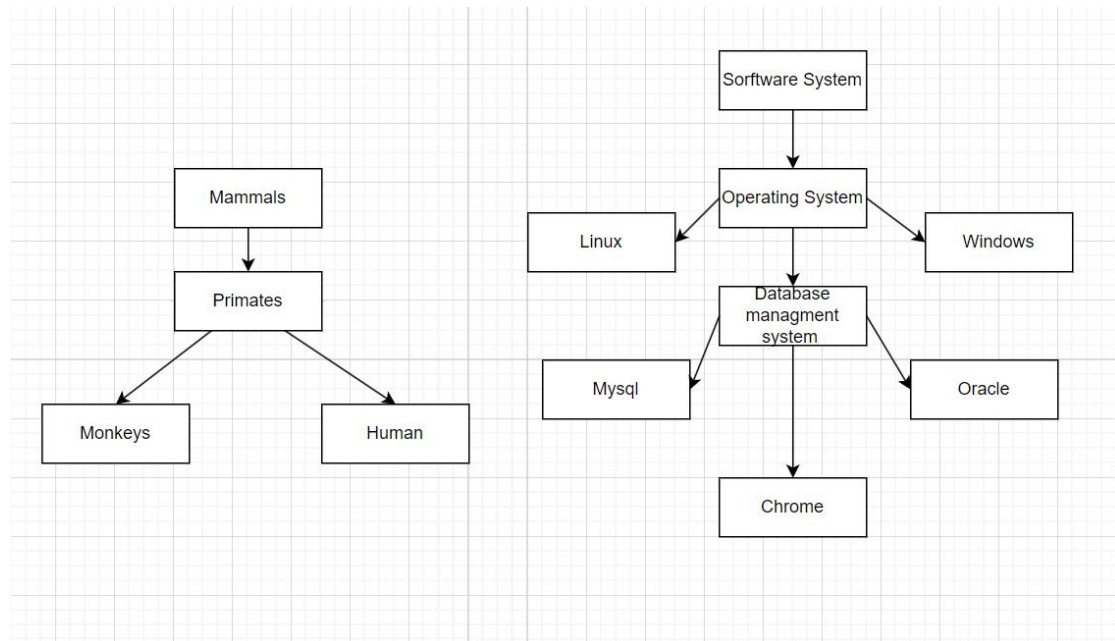
Member Name and student ID (Printed)	Signature
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## DB\_Lab\_02

Only Number: Conger Yang

### BASIC TASKS

1.



2.

**Entity** – Entity is an object in the real world with an independent existence and can be differentiated with other objects

**Entity type:**      **Weak entity**      ,      **Associative entity**

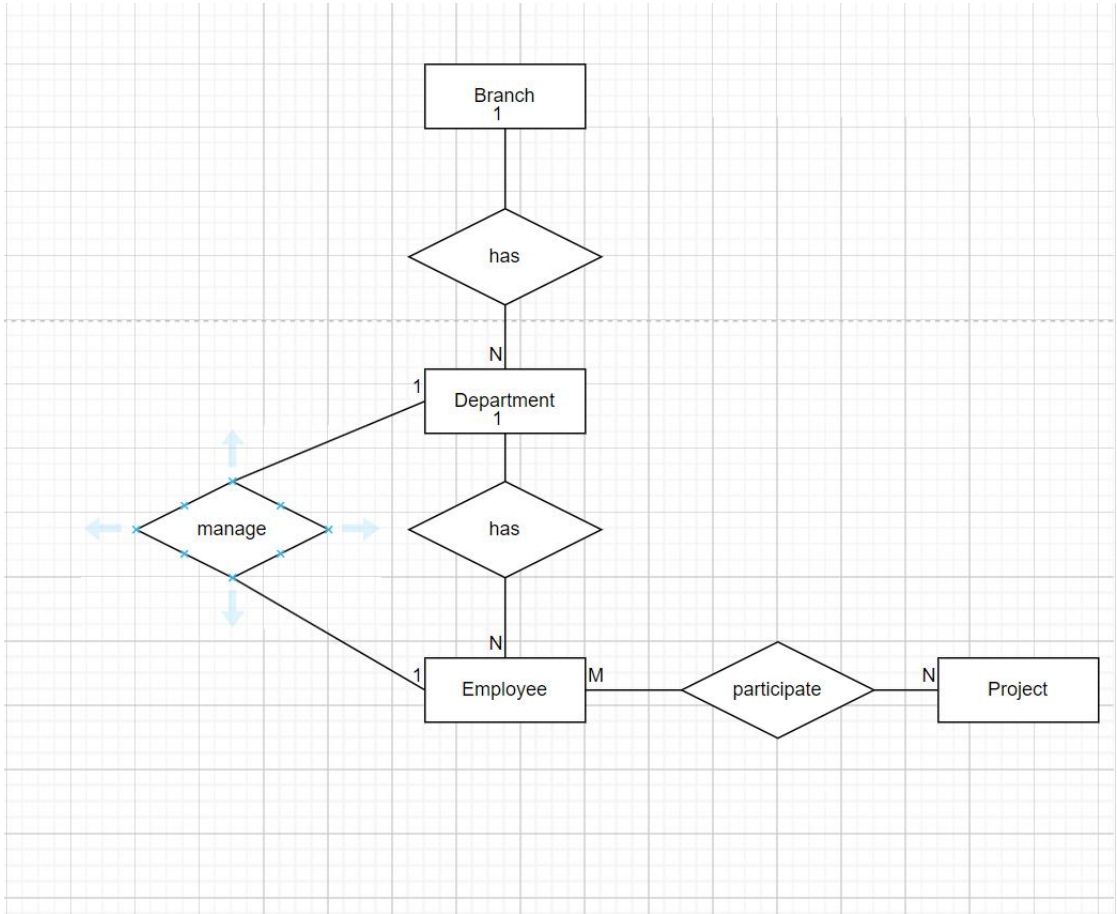
**Entity instance:**EMPLOYEE and PROJECT;Customer and Book and so on.

4.

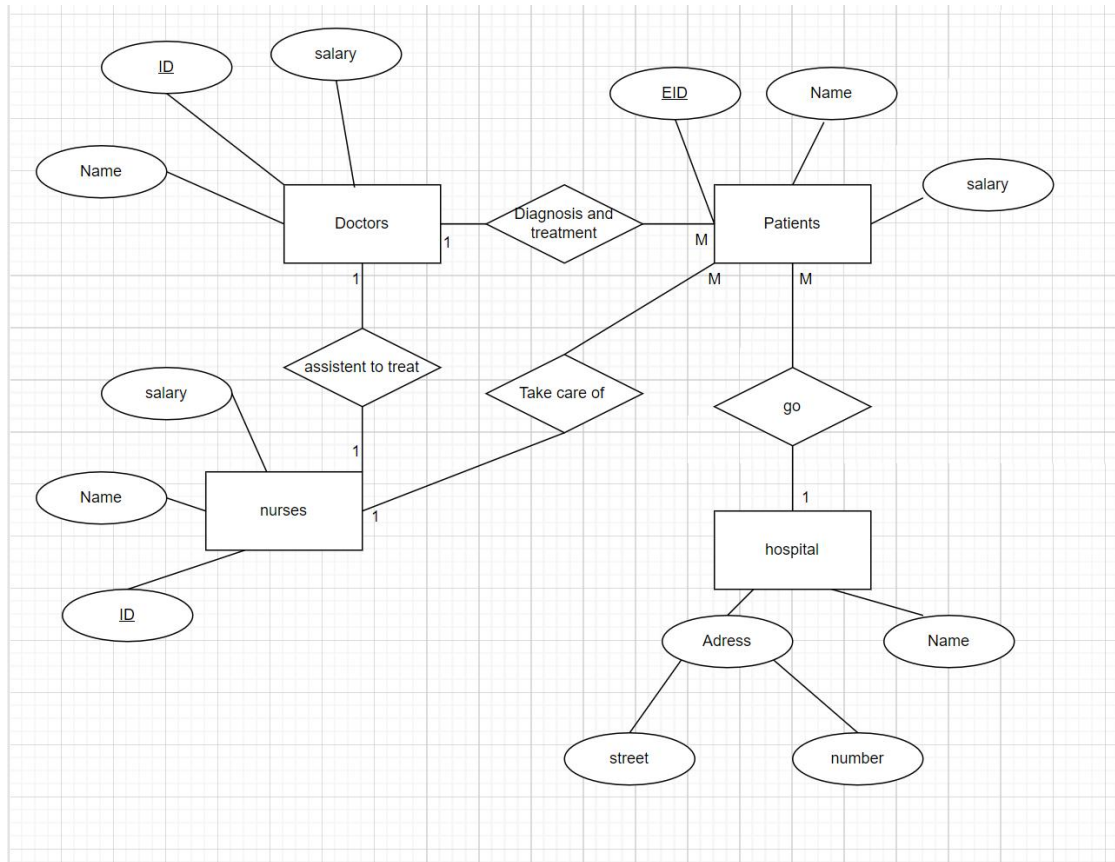
a.The company forms branches in various regions, and the branches develop their business locally. A branch manages the same department, there will be one or more employees in the department, and the branch will receive some projects, and through analysis, the projects will be distributed to various

departments, and then from each department to each employee.

b.

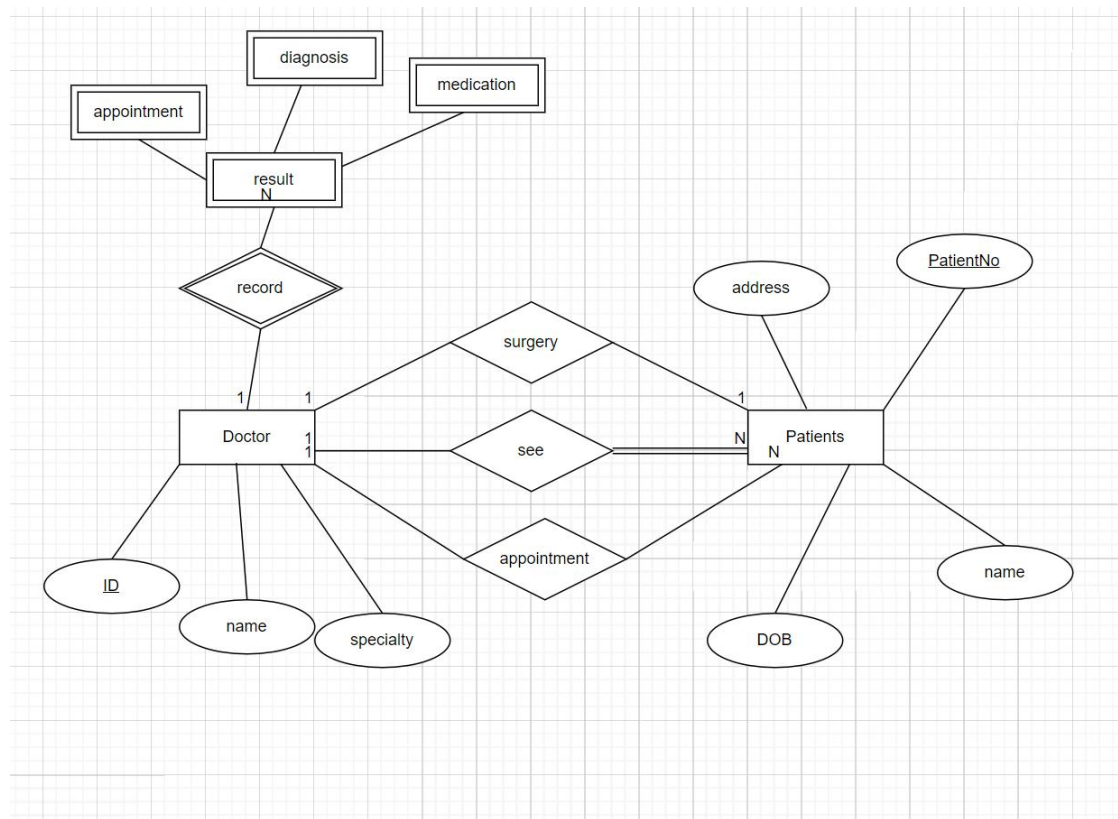


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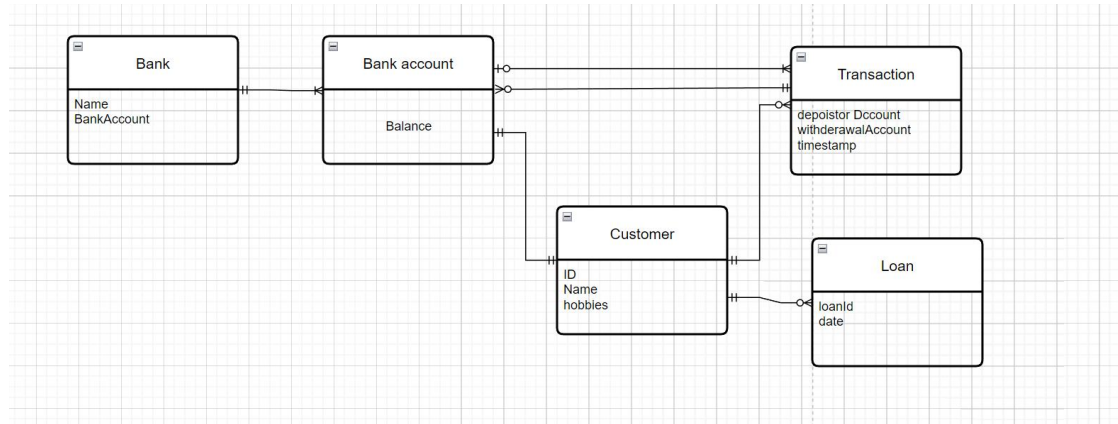


## MEDIUM TASKS

6.



7.



## ADVANCED TASKS

8. AND 9

