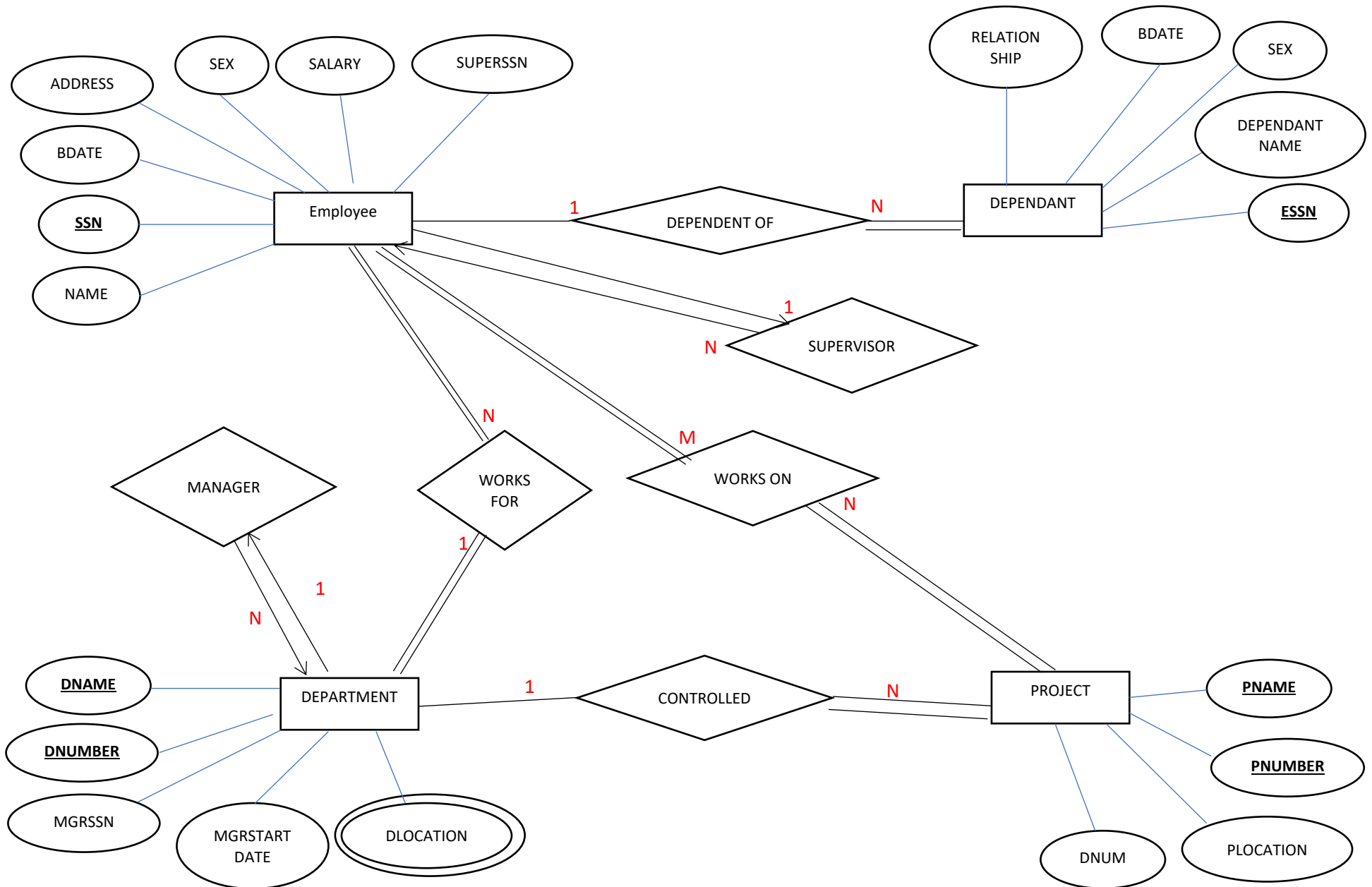


CIS530– Lab Assignment 2_1

Name: Reza Shisheie

ID: 2708062

Object: ER diagram



Employee, dependent (1:N):

- 1 employee can have multiple dependents but a dependent can only have one employee.
- A dependent is definitely a dependent of an employee (full participant) but not all employees has dependent (partial).

Employee, supervisor (N:1):

- every employee has one supervisor but every supervisor has many employees
- A supervisor has employee (full) and an employee has a supervisor (full)

Employee, project (M:N):

- M employee work on N projects
- Every project has and employee working on it (full) and every employee should work on a project (full)

Employee, Department (N:1):

- each employee has only one department but a department has many employees
- each employee has a department (full) and a department should have an employee too (full)

Manager, department (1:N):

- every department has one and only one manager but a manager may have multiple departments
- every department has a manager (full) and a manager should have a department too (full)

Department, Project (1:N):

- each department has many project but one project can only belong to one department
- each project belong to a department (full) but a department may not have project (partial)