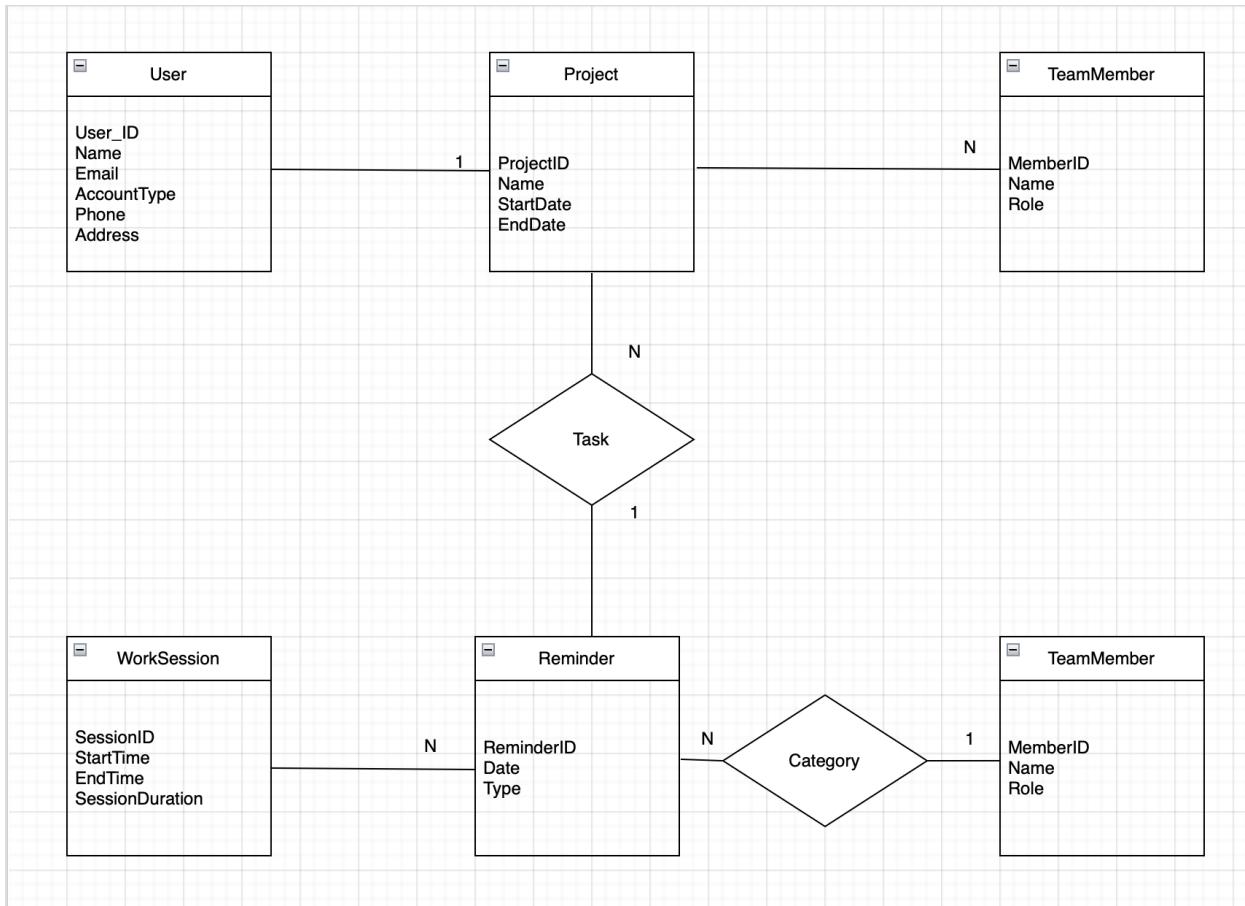


# ENSF LAB Assignment-2

## Task 1:



## Task 2:

### 1. What each entity represents.

Staff manages reports and keeps track of readers. Staff can login to authentication system and can maintain books.

Readers provide reserve date of return date of books and the books got publish by publishers. In details:

Staff manages many reports and keeps track of many readers. Readers do have reserve and return date of the books. Also, Staff can log in to authentication system to maintain books and the Books can be publish by publishers.

Reports: Record of issued and returned books

Staff: Managing system.

Readers: keeps track of return or reserve books.

Publisher: Person that publish books.

Books: Books available to reserve or return by staff in the system.

## 2.What each attribute represents.

1. Staff do have unique staff\_id and staff name with which employee can login to the authentication system using logId and password.

2. the Reports that staff manages have Unique USER\_ID, Registration\_no, Book\_no and have retrunor issue date.

3. Readers do have unique User\_ID, email, first name, last name, address, and can have multiple phone numbers.

4.The publisher who publish the books has unique publish\_id, name and year of publication.

5. The books available in system have unique ISBN(Book number), title, edition, category, price and authoNo.

3. What the relationships are.

Readers can reserve a book.

Staff manages reports and maintains books

Staff login to authentication system.

A publisher publishes books.

This ER Diagram represents a library management system where all the readers can reserve and return books. The staff of the library have an authentication system to keep track of books for the library and they also manage the reports as well. The books do have the details of the publisher who publish them

