

Lab 8 Advanced EER

Student

ID _____ NAME _____ LAST_NAME _____

In this lab, you can group up to maximum of three people. Your goal is to design an ER or EER diagram for CAMT Library Management System database. Your database keeps track of borrowers with the following considerations:

1. The system keeps track of the staff with a single point authentication system comprising email address and password. Staff maintains the book catalog with its ISBN, Book title, price(in Bath), category(text, magazine, novel), edition, author Number and details. A publisher has publisher Id, Year when the book was published, and name of the book. Admin also generate reports that has readers id, registration no of report, book no and return/issue info. Borrowers are registered with their user_id, email, name (first name, last name), Phone no (multiple entries allowed), current address. The admin keeps track of borrowers. Borrowers can return/reserve books that stamps with issue date and return date. If not returned within the prescribed time period, it may have a due date too. Borrowers cannot borrow more than 3 books. Late return would cost 5 baht/ date. (You may add your own business rules, as long as it makes sense to our CAMT library). (5 points)
2. CAMT coffee shop, assume one of your friends in the group are the owner of the CAMT coffee shop, extract the businesses and design the database. (5 points)