



AMERICAN UNIVERSITY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

CSI 316/ICT 347 – DataBase Management System

Section A

Spring 2023-2024

INSTRUCTOR:

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Problem Set No. 2: Due Date: Wednesday, March 06, 2024 before 12:00 PM (Noon). You need to send the homework to my email: aaouad@aust.edu.lb as a word document.

Problem No. 1:

Consider a book rental system. Using the below business rules, draw the E-R diagram and indicate the cardinalities of the relationships.

- A book can have one to many copies
- A customer can borrow one to many books each time
- A customer can return one to many books each time.
- The employee can register the transaction of borrowing or returning with any number of books (borrowed or returned).