

**BRAC UNIVERSITY**  
**Department of Computer Science and Engineering**

Examination: Quiz 2  
Semester: Fall 2023

Duration: 20 min  
Full Marks: 10

**CSE 470: Software Engineering**

**Name:**

**ID:**

**Section:**

You have been tasked with creating a Bank Management System. A Bank has many Branches which offer various types of bank accounts, these accounts consist of Savings Account, Deposit Account, and Loan Account. Each bank account has a unique identifier, an opening date, interest rate and an owner(customer).Accounts can be used to deposit money, withdraw money and check balance. Loan Accounts have add\_loan and payback\_loan and Deposit Account has a withdraw\_time .A customer can have multiple bank accounts, but a bank account can only belong to one customer. A bank is run by employees, every employee has a unique ID,name, joining date and an experience value(No of years worked in current company).

Employees are of two types: Manager and Staff. They have their own attributes and methods, fill them up appropriately.

1.	CO2	a. Let's explore the system and create a class diagram. [10] b. State 5 Functional Points and 5 Non-Functional Points for this System. Categorize the Non-Functional points under a subsection like operation,performance,etc.[10]	20
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