**BRAC UNIVERSITY**

**Department of Computer Science and Engineering**

Examination: Quiz 2 Duration: 20 min

Semester: Summer 2023 Full Marks: 10

**CSE 470: Software Engineering**

**Name: ID: Section:**

**Set-C**

Once upon a time, in the city of Financia, there stood a bank known as TechBank. It was a modern bank that provided innovative financial solutions to its customers. The bank had a state-of-the-art Bank Management System that allowed it to efficiently manage its operations and deliver exceptional services. There was a team of talented bankers led by their manager. The Bank Management System kept track of essential information about the bankers, including their names, positions, and employee IDs. It enabled the bank to manage their performance, assign tasks, and monitor their progress. Each banker could be associated with multiple departments based on their expertise and skills. The System also had a section dedicated to the different departments. These departments included Retail Banking, Corporate Banking, and Wealth Management. Each department had its own unique set of services and requirements. One of the key departments at TechBank was Retail Banking, which served to individual customers. The system stored information about various retail banking services such as savings accounts, checking accounts, loans, and credit cards. It allowed customers to open new accounts, manage their finances, and perform transactions online. The system also provided personalized financial recommendations based on customer preferences and goals. Corporate Banking was another vital department which dealt with business clients, providing services like corporate accounts, business loans, trade finance, and cash management. The system allowed corporate clients to access their accounts, and review transactions. The Wealth Management department offered specialized financial services to high-net-worth individuals such as portfolio management, investment advisory, and estate planning. It allowed wealth managers to track clients' investment portfolios, monitor market trends, and provide personalized advice for wealth growth and preservation. The Bank Management System ensured seamless integration between departments, enabling efficient collaboration and communication. For example, the Retail Banking department could access information from the Corporate Banking department to assess a customer's creditworthiness before approving a loan.

| **1.** | **CO2** | 1. Let's explore the system and create a class diagram. [10] | **10** |
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