**OOPS, Collection, and Exception Handling Assessment**

**Scenario: Bank Account Management System**

You are developing a **Bank Account Management System** where users can create accounts, deposit money, withdraw money, and check their balance. Implement the following functionalities using **object-oriented programming principles, collections, and exception handling** in C#.

**Questions:**

1. **BankAccount Class Implementation (5 marks)**
   * Define a BankAccount class with properties for **AccountNumber, AccountHolderName, Balance**, and **AccountType** (Savings/Current).
   * Implement **encapsulation** to ensure proper access to properties.
   * Add a constructor to initialize account details.
2. **Bank Class with Collection (8 marks)**
   * Create a Bank class that maintains a **collection (List) of BankAccount objects**.
   * Implement methods to **add a new account, remove an account, and display all accounts**.
3. **Exception Handling for Account Removal (4 marks)**
   * Modify the Bank class to **handle exceptions** when a user tries to remove an account that **does not exist** in the collection.
   * Display an appropriate error message if the account is not found.
4. **Deposit and Withdrawal with Validation (7 marks)**
   * Implement methods to **deposit** and **withdraw** money in the BankAccount class.
   * Ensure that a withdrawal is allowed **only if the balance is sufficient**.
   * Throw and handle an exception if the user tries to **withdraw more than the available balance**.
5. **Interactive Console Application (6 marks)**
   * Create a **Console Application** that allows users to:
     + Create a new bank account
     + Remove an account
     + Deposit money
     + Withdraw money
     + Check balance
   * Handle **invalid user input and unexpected exceptions** gracefully.