OOP Assignment 2

Group Report

Group UT1

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***Question 1 :***

**a)**

It is possible for the canWithdraw function to be inherited by the ChildAccount class, due to the fact that it is a child of the SavingsAccount class, which is a chile of the BankAccount class.

One of the possible problems that would arise with using the canWithdraw function in the ChildAccount class is that it has a minimumBalance due to the fact that it is a child of the SavingsAccount. The BankAccount version of the canWithdraw function will not be taking into account the minimumBalance of the SavingsAccount classes which could then have a possibility of withdrawing below the minimumAmount.

**b)**

**c)**

The relationship between the CashCard class and the List<string> classes is composition. The C++ mechanism that is involved in the implementation of it is that the List<string> is declared inside of the CashCard class.