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'Allows th user to make a cash withdrawal from accounts by UPDATing the accounts'  
'records and INSERTing a transaction in the Transaction table of the FAMSDB  
'database  
'Written by Bill Blackley  
'First written 3/9/2005  
'Last written 15/9/2005  
  
Public Class frmCashWithdrawal  
    Inherits System.Windows.Forms.Form  
  
    Windows Form Designer generated code  
    'Allows the user to make a cash withdrawal from  
    'the account by Updating the Account's record and INSERTing a transaction  
    Private Sub cmdCashWithdrawal_Click(ByVal sender As System.Object, ByVal e As System.   
    EventArgs) Handles cmdCashWithdrawal.Click   
  
        Try  
            'Declare variables for holding the Account's balance and availableBalance  
            'values  
            Dim balance, newBalance, availableBalance, newAvailableBalance _  
            As String  
  
            'Open database connection  
            FAMSDBConnection.Open()  
  
            'Return DataSet to it's original state  
            AccountDataSet.Reset()  
  
            'Create Select query to get the account's balance and availableBalance  
            AccountDataAdapter.SelectCommand.CommandText = _  
            "SELECT balance, availableBalance FROM Account WHERE sortCode = '" & _  
            txtSortCode.Text & "' AND accountNo = '" & txtAccountNo.Text & "'" _  
  
            'Fill the DataSet  
            AccountDataAdapter.Fill(AccountDataSet)  
  
            'Close the database connection  
            FAMSDBConnection.Close()  
  
            'Put the results of the query into a datatable with which to work  
            Dim datatable As DataTable = AccountDataSet.Tables(0)  
  
            'Put values of account's balance and avialableBalance into variables  
            balance = Convert.ToString(datatable.Rows(0)(0))  
            availableBalance = Convert.ToString(datatable.Rows(0)(1))  
  
            'Check that there are sufficient funds available  
            If Convert.ToDecimal(txtAmount.Text) <= Convert.ToDecimal(availableBalance)   
  
        Then  
            'Now calculate new balances after withdrawal  
            newBalance = Convert.ToString(Convert.ToDecimal(balance) - Convert.   
            ToDecimal(txtAmount.Text))  
            newAvailableBalance = Convert.ToString(Convert.ToDecimal(availableBalance)   
            - Convert.ToDecimal(txtAmount.Text))  
  
            'Open Database Connection  
            FAMSDBConnection.Open()  
  
            'Now UPDATE account record  
            AccountDataAdapter.UpdateCommand.CommandText = _  
            "UPDATE Account SET balance = '" & newBalance & "', " & _  
            "availableBalance = '" & newAvailableBalance & "' " & _  
            "WHERE sortCode = '" & txtSortCode.Text & "' AND " & _  
            "accountNo = '" & txtAccountNo.Text & "'" _  
  
            'Execute UPDATE Command  
            AccountDataAdapter.UpdateCommand.ExecuteNonQuery()  
  
            'Close Database Connection  
            FAMSDBConnection.Close()  
  
            'Now INSERT Transaction record  
            Transaction.InsertTransaction("CashWithdrawal", txtAmount.Text, newBalance,   

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    txtSortCode.Text, txtAccountNo.Text)

    'Display Confirmation Message
    MessageBox.Show("£" & txtAmount.Text & " Cash Issued", "Cash Withdrawn",
    MessageBoxButtons.OK, MessageBoxIcon.Information)

    'Close Form
    Me.Close()

Else
    'Display warning message if there are not enough funds available
    MessageBox.Show("Insufficient Funds Available", "Insufficient Funds",
    MessageBoxButtons.OK, MessageBoxIcon.Warning)

End If

Catch ex As Exception
    MessageBox.Show(ex.ToString())
End Try
End Sub 'cmdCashWithdrawal_Click
End Class 'frmCashWithdrawal
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