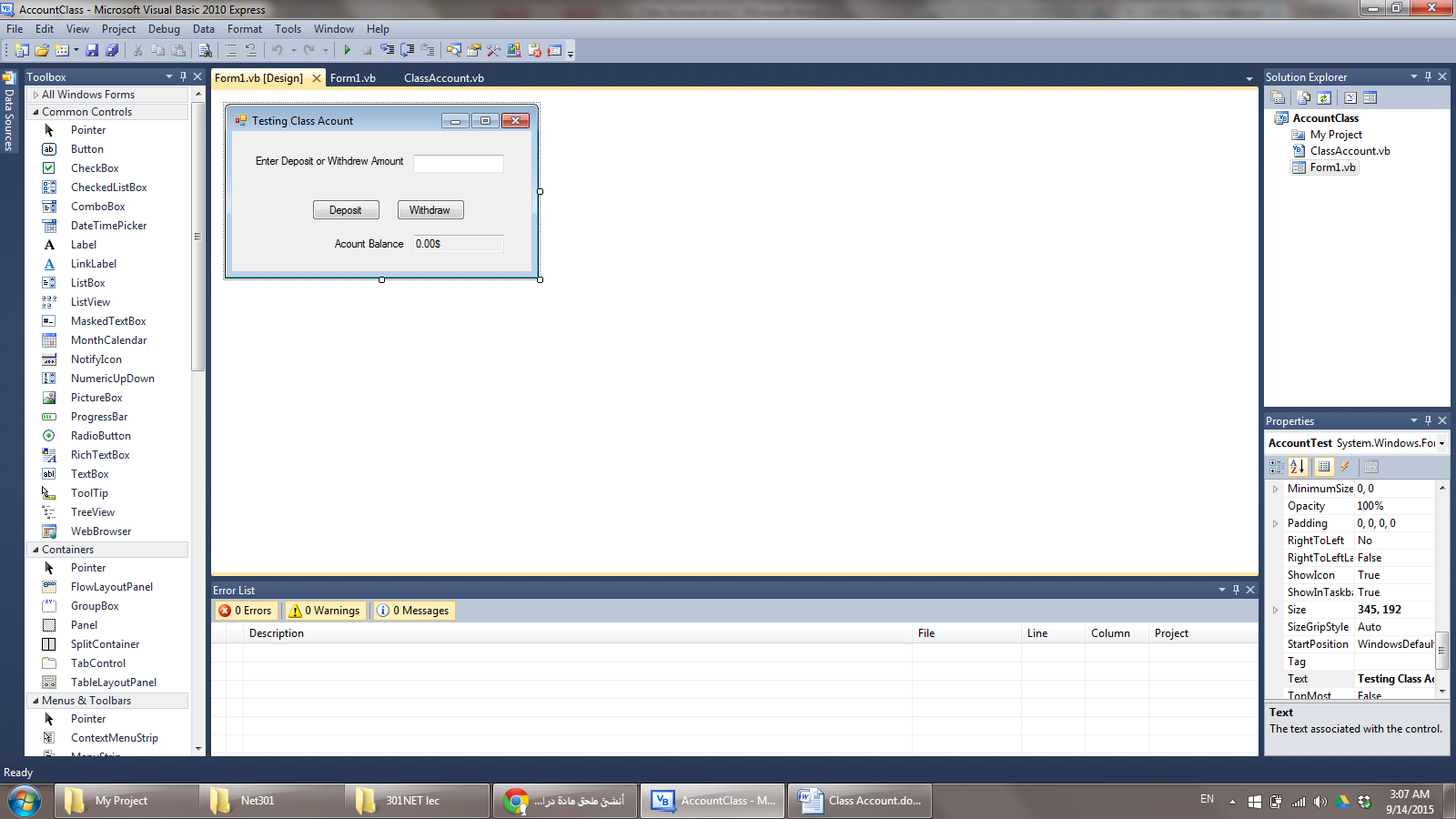
Example:

* classes Account and AccountTest.
* The Account class represents a bank account that has a balance, deposit and withdraw money transaction.
* The AccountTest class creates and uses an object of class Account.



Public Class ClassAccount

Private balancevalue As Decimal

Public Sub New(Optional ByVal initialBalance As Decimal = 0D)

If initialBalance < 0D Then

Throw New ArgumentOutOfRangeException(" Intial balance must be greater than or equal to 0.")

End If

balancevalue = initialBalance

End Sub

Public Sub Deposit(ByVal depositAmount As Decimal)

If depositAmount <= 0D Then

Throw New ArgumentOutOfRangeException(" Deposit amount must be positive.")

End If

balancevalue += depositAmount

End Sub

Public Sub Withdraw(ByVal WithdrawAmount As Decimal)

If WithdrawAmount > balance Then

Throw New ArgumentOutOfRangeException(" Withdrawal amount must be less than or equal to balance.")

ElseIf WithdrawAmount <= 0D Then

Throw New ArgumentOutOfRangeException(" Withdrawal amount must be positive.")

End If

balancevalue -= WithdrawAmount

End Sub

Public ReadOnly Property balance As Decimal

Get

Return balancevalue

End Get

End Property

End Class

Public Class AccountTest

Public account As New ClassAccount()

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

txtBV.Text = String.Format("{0:c}", account.balance)

End Sub

Private Sub btnD\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnD.Click

Try

Dim DepositAmount As Decimal = Convert.ToDecimal(txtAmount.Text)

account.Deposit(DepositAmount)

txtBV.Text = String.Format("{0:c}", account.balance)

Catch ex As ArgumentOutOfRangeException

MessageBox.Show("Deposit amount must be positive.", "Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

End Try

txtAmount.Clear()

txtAmount.Focus()

End Sub

Private Sub btnW\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnW.Click

Try

Dim withdrawAmount As Decimal = Convert.ToDecimal(txtAmount.Text)

account.Withdraw(withdrawAmount)

txtBV.Text = String.Format("{0:c}", account.balance)

Catch ex As ArgumentOutOfRangeException

MessageBox.Show("Deposit amount must be greater than 0" &

"and less than or equal to the account balance.",

"Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

End Try

txtAmount.Clear()

txtAmount.Focus()

End Sub

End Class