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Module Module1
    REM Version 1.1
    Dim Suites As New List(Of String) From {"Hearts", "Clubs", "Diamonds", "Spades"}
    Dim Cards As New List(Of String) From {"Ace", "Two", "3", "4", "5", "6", "7", "8", "Nine", "Ten", "Jack", "Queen", "King"}
    Dim RandomN As New Random
    Dim Deck(51) As Integer

    Sub Main()

        Dim GO As Integer = 1
        Dim Answer As String = ""
        Dim card, suite, oldcard, oldsuite, backcolour, forecolour As Integer
        backcolour = ConsoleColor.DarkGray : forecolour = ConsoleColor.White

        Do Until Answer = "N"

            GO = 1
            ScreenStart("Higher Lower Card Game", backcolour)

            CardDeal(oldcard, oldsuite)
            CardShow(0, 3, Cards(oldcard), Suites(oldsuite))

            CardDeal(card, suite)

            Do Until Answer = "Wrong" Or GO > 4

                Display("H for Higher or L for Lower?", forecolour, backcolour)
                Answer = UCase(Console.ReadLine())

                If (Answer = "H" And card > oldcard) Or (Answer = "L" And card < oldcard) Then
                    Answer = "Correct"
                Else
                    Answer = "Wrong"
                End If

                DisplayLine(Answer, forecolour, backcolour)

                CardShow(100, 0, Cards(card), Suites(suite))

                oldcard = card :    oldsuite = suite

                CardDeal(card, suite)

                GO = GO + 1
            Loop
        Loop
    End Sub
End Module

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    If Answer = "Wrong" Then
        DisplayLine("I am afraid you lost", forecolour, backcolour)
    Else
        DisplayLine("You Won - well done!", forecolour, backcolour)
    End If

    Display("Play again Y for Yes or N for No?", forecolour, backcolour)
    Answer = UCase(Console.ReadLine())

Loop

    Console.ReadKey()
End Sub

Sub CardDeal(ByRef card As Integer, ByRef suite As Integer)

    card = RandomN.Next(0, 13)
    suite = RandomN.Next(0, 4)
    Do Until Deck((suite * 13) + card) = 0
        card = RandomN.Next(0, 13)
        suite = RandomN.Next(0, 4)
    Loop

    Deck((suite * 13) + card) = Deck((suite * 13) + card) + 1
End Sub

Sub CardShow(ByVal X As Integer, ByVal Y As Integer, ByVal card As String, ByVal suite As String)

    Dim Colour, Suitechar As Integer

    Colour = ConsoleColor.Black

    Select Case suite

        Case "Hearts"
            Suitechar = 3
            Colour = ConsoleColor.Red

        Case "Diamonds"
            Suitechar = 4
            Colour = ConsoleColor.Red
    End Select

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Case "Clubs"  
    Suitechar = 5
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Case "Spades"  
    Suitechar = 6
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End Select
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If X < 100 Then Console.SetCursorPosition(X, Y)  
Console.ForegroundColor = Colour  
Console.WriteLine(Chr(Suitechar) & card & " of " & suite & Chr(Suitechar))
```

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End Sub
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```
Sub Display(ByRef Txt As String, ByRef foreg As Integer, ByVal backg As Integer)  
    Console.BackgroundColor = backg  
    Console.ForegroundColor = foreg  
    Console.Write(Txt)
```

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End Sub
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```
Sub DisplayLine(ByRef Txt As String, ByRef foreg As Integer, ByVal backg As Integer)  
    Console.BackgroundColor = backg  
    Console.ForegroundColor = foreg  
    Console.WriteLine(Txt)
```

```
End Sub
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```
Sub ScreenStart(ByVal Title As String, ByVal Colour As Integer)  
    Console.Title = Title  
    Console.SetWindowSize(40, 40)  
    Console.BackgroundColor = Colour  
    Console.Clear()
```

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End Sub
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End Module
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