



Website for restaurant reservations

Created by : Thanaa Elbourki

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Description: This is a little sample of what a reservation website would look like. This program can be improved in many different ways. The purpose of this website is to save time and effort for the customers, instead of going to a nearby restaurant and finding no table is available, they can use a reservation website to find out if there are any available tables so they can book for them.

Module Module1

Sub Main()

```
Dim n As Integer
Dim b As New Booking
Dim r As New Resturant
Dim c As New Customer
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.Clear()
Console.CursorLeft = 35
Console.ForegroundColor = ConsoleColor.White
Console.CursorTop = 5
Console.WriteLine("-----")
Console.CursorLeft = 43
Console.ForegroundColor = ConsoleColor.White
Console.WriteLine("Welcome to Napolita Resturant")
Console.CursorLeft = 35
Console.WriteLine("-----")
r.printinfo()
Console.CursorLeft = 44
Console.WriteLine("Press Any Key To Continue")
Console.ReadKey()
Console.Clear()
Do
    Console.CursorLeft = 39
    Console.Write("Enter the Customer's first name: ")
```

```

c.CustName.Fname = Console.ReadLine
If c.allletters(c.CustName.Fname) = False Then
    Console.BackgroundColor = ConsoleColor.White
    Console.ForegroundColor = ConsoleColor.DarkRed
    Console.WriteLine("Error in Customer's first name!! Please enter again
")
    Console.Beep(500, 500)
End If
Loop Until c.allletters(c.CustName.Fname) = True
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.ForegroundColor = ConsoleColor.White
Do
    Console.Clear()
    Console.CursorLeft = 39

    Console.Write("Enter the Customer's Middle name: ")
    c.CustName.Mname = Console.ReadLine
    If c.allletters(c.CustName.Mname) = False Then
        Console.BackgroundColor = ConsoleColor.White
        Console.ForegroundColor = ConsoleColor.DarkRed
        Console.WriteLine("Error in Customer's middle name!! Please enter
again ")
        Console.Beep(500, 500)
    End If
Loop Until c.allletters(c.CustName.Mname) = True
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.ForegroundColor = ConsoleColor.White
Do
    Console.Clear()
    Console.CursorLeft = 39
    Console.Write("Enter the Customer's last name: ")
    c.CustName.Lname = Console.ReadLine
    If c.allletters(c.CustName.Lname) = False Then
        Console.BackgroundColor = ConsoleColor.White
        Console.ForegroundColor = ConsoleColor.DarkRed
        Console.WriteLine("Error in Customer's last name!! Please enter again
")
        Console.Beep(500, 500)
    End If
Loop Until c.allletters(c.CustName.Lname) = True
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.ForegroundColor = ConsoleColor.White
Do
    Console.Clear()
    Console.CursorLeft = 39

    Console.Write("Enter the customer's Email: ")
    c.CustEmail = Console.ReadLine
    If c.Isemail(c.CustEmail) = False Then
        Console.BackgroundColor = ConsoleColor.White

        Console.ForegroundColor = ConsoleColor.DarkRed
        Console.WriteLine("Enter a valid email please")
        Console.Beep(500, 500)
    End If
Loop Until c.Isemail(c.CustEmail) = True
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.ForegroundColor = ConsoleColor.White
Console.Clear()
Do
    Console.CursorLeft = 39

```

```

Console.WriteLine("Enter the Customer's Phone Number: ")
c.CustPhone = Console.ReadLine
If Len(c.CustPhone) <> 10 Then
    Console.BackgroundColor = ConsoleColor.White

    Console.ForegroundColor = ConsoleColor.DarkRed
    Console.WriteLine("Enter a valid Phone number please!!!")
    Console.Beep(500, 500)

End If

Loop Until Len(c.CustPhone) = 10
Console.Clear()
Console.BackgroundColor = ConsoleColor.DarkBlue
Console.Clear()
Console.ForegroundColor = ConsoleColor.White
Do
    Console.Clear()
    Console.CursorLeft = 35
    Console.WriteLine("-----")
    Console.CursorLeft = 39
    Console.WriteLine("Choose one of the following options: ")
    Console.CursorLeft = 35
    Console.WriteLine("-----")
    Console.WriteLine(" ")
    Console.CursorLeft = 41
    Console.WriteLine("1 - Print Customer's Name")
    Console.CursorLeft = 41
    Console.WriteLine("2 - Print Customer's Email")
    Console.CursorLeft = 41
    Console.WriteLine("3 - Print Customer's phone Number")
    Console.CursorLeft = 41
    Console.WriteLine("4 - Print Customer's Information")
    Console.CursorLeft = 41
    Console.WriteLine("5 - Print the Menu ")
    Console.CursorLeft = 41
    Console.WriteLine("6 - Booking a resevation ")
    Console.CursorLeft = 41
    Console.WriteLine("7 - Print booking information")
    Console.CursorLeft = 41
    Console.WriteLine("8 - Exit")
    Console.CursorLeft = 35
    Console.WriteLine("-----")
    n = Console.ReadLine
    Select Case n
        Case 1
            Console.Clear()
            Console.WriteLine(c.CustName.Getfullname)
            Console.ReadKey()
        Case 2
            Console.Clear()
            Console.WriteLine(c.CustEmail)
            Console.ReadKey()
        Case 3
            Console.Clear()
            Console.WriteLine(c.CustPhone)
            Console.ReadKey()
        Case 4
            Console.Clear()
            c.PrintInfo()
            Console.ReadKey()
        Case 5

```

```

        Console.Clear()
        Console.CursorLeft = 43
        Console.WriteLine("This is our menu")
        ResMenu()
        Console.ReadKey()
    Case 6
        Console.Clear()
        Console.WriteLine("Enter your booking date")
        b.bookingDate = Console.ReadLine
        Console.WriteLine("How many people?")
        b.NoOfPeople = Console.ReadLine
    Case 7
        Console.Clear()
        b.printinfo()
        c.PrintInfo()
        Console.ReadKey()
    Case 8
        Console.Clear()
        Exit Select
    Case Else
        Console.Clear()
        Console.CursorLeft = 39
        Console.WriteLine("Good Bye")
        Console.ReadKey()
    End Select
Loop
Console.ReadKey()
End Sub
Public Sub ResMenu()
    Console.WriteLine("                Starters                ")
    Console.WriteLine("-----")
    Console.WriteLine(" Chicken Wings                $5.00 ")
    Console.WriteLine(" Mixed Salad                   $6.00 ")
    Console.WriteLine(" Onion Rings                   $5.00 ")
    Console.WriteLine(" Sweet Potato                 $6.00 ")
    Console.WriteLine(" Fries                        $5.00 ")
    Console.WriteLine(" Garlic Bread                  $4.00 ")
    Console.WriteLine(" Spicy Fries                  $5.00 ")
    Console.WriteLine(" Mashed Potatos              $6.00 ")

    Console.WriteLine("-----")

    Console.WriteLine("                Burgers                ")
    Console.WriteLine("-----")
    Console.WriteLine(" Chicken Burger                $8.00 ")
    Console.WriteLine(" Double Burger                 $10.00 ")
    Console.WriteLine(" Cheese Burger                 $8.00 ")
    Console.WriteLine("-----")

    Console.WriteLine("                Meals                ")
    Console.WriteLine("-----")
    Console.WriteLine(" Kids Meal                    $7.00 ")
    Console.WriteLine(" Family Meal                   $15.00 ")
    Console.WriteLine(" Mac&Cheese                   $10.00 ")
    Console.WriteLine(" 1/2 Chicken with Fries        $30.00")
    Console.WriteLine(" 1/4 Chicken with Fries        $20.00 ")
    Console.WriteLine(" Full chicken with Fries and Drinks
$45.00 ")
    Console.WriteLine("-----")

    Console.WriteLine("                Drinks                ")
    Console.WriteLine("-----")

```

```

Console.WriteLine(" Water      ")
Console.WriteLine(" Sprite          $3.00 ")
Console.WriteLine(" CocaCola      $3.00 ")
Console.WriteLine(" Fanta          $3.00 ")
Console.WriteLine(" CocaCola Light $3.00 ")
Console.WriteLine(" Pepsi          $3.00 ")
Console.WriteLine(" Fresh Orange Juice $5.00 ")
Console.WriteLine(" Fresh Lemonade $5.00 ")

Console.WriteLine("-----")

Console.WriteLine("                Desserts                ")
Console.WriteLine("-----")
Console.WriteLine(" Ice Cream          $3.00 ")
Console.WriteLine(" Caramel Cake      $7.00 ")
Console.WriteLine(" Raspbeerry CheeseCake $7.00 ")
Console.WriteLine(" Red Velvet Cake   $8.00 ")

```

End Sub

Public Class HumanName

```

Public Fname As String
Public Mname As String
Public Lname As String
Public Function Getfullname() As String
    Return Fname & " " & Mname & " " & Lname
End Function

```

End Class

Public Class Customer

```

Dim CustNo_s As String
Public CustName As New HumanName
Dim CustEmail_E As String
Dim CustPhone_int As String
Public Function allletters(s As String) As Boolean
    For i = 1 To Len(s)
        If IsNumeric(Mid(s, i, 1)) = True Then
            Return False
        End If
    Next
    Return True
End Function
Public Property CustEmail() As String

```

```

    Get
        Return CustEmail_E
    End Get
    Set(value As String)
        If Isemail(value) = True Then
            CustEmail_E = value
        Else

            Console.BackgroundColor = ConsoleColor.DarkRed
            Console.Clear()
            Console.WriteLine("Error in Customer's Email")
        End If

```

```

    End Set
End Property
Public Function Isemail(s As String) As Boolean
    For i = 1 To Len(s)
        If Mid(s, i, 1) = "@" Then

```

```

        Return True
    End If
Next
Return False
End Function
Public Property CustPhone() As String
Get
    Return CustPhone_int
End Get
Set(value As String)
    If Len(value) = 10 And IsNumeric(Len(value)) Then
        CustPhone_int = value
    Else
        Console.BackgroundColor = ConsoleColor.DarkRed
        Console.Clear()
        Console.WriteLine("Error in Customer's Phone Number")
    End If
End Set
End Property
Public Overridable Sub PrintInfo()
    Console.WriteLine("The Customer's Name is: " & CustName.Getfullname)
    Console.WriteLine("The Customer's Email is: " & CustEmail)
    Console.WriteLine("The Customer's Phone Numebr is: " & CustPhone)
End Sub
End Class
Public Class Resturant
    Public ResName As String
    Dim ResPhoneNumber_int As Integer
    Public ResAdr As String
    Public Property ResPhoneNumber() As Integer
    Get
        Return ResPhoneNumber_int
    End Get
    Set(value As Integer)
        If Len(value) = 9 Then
            ResPhoneNumber_int = value
        Else
            Console.BackgroundColor = ConsoleColor.DarkRed
            Console.Clear()
            Console.WriteLine("Phone number is incorrect")
        End If
    End Set
End Property
Public Overridable Sub printinfo()
    Console.ForegroundColor = ConsoleColor.White
    Console.CursorLeft = 31
    Console.WriteLine("-----")
    Console.CursorLeft = 50
    Console.WriteLine("Address: " & "Beloon")
    Console.CursorLeft = 31
    Console.WriteLine("Phone Number: " & "0911234567 Call us for more
information")
    Console.CursorLeft = 31
    Console.WriteLine("-----")
End Sub
End Class
Public Class Booking
    Inherits Customer
    Public bookingDate As String
    Public NoOfPeople As Integer
    Public Overrides Sub printinfo()
        Console.WriteLine("Booking date: " & bookingDate)
    End Sub
End Class

```

```
        Console.WriteLine("Number of People " & NoOfPeople)
    End Sub
End Class
End Module
```