

Softwarový program Aplikace pro detekci rizikových zadavatelů (ADRZ)

Software je naprogramovaný ve Visual Basic a uživatelské rozhraní má v MS Excel.

```
Public setup_book As Workbook
Public app_temp As Excel.Application
Public vector_result As Variant
Public matrix_x As Variant
Public prob_result As Variant
Public prob_minus As Variant
Public Const gEnableErrorHandling As Boolean = True
Public temp As Integer
Public shift As Integer
Public var_selected As Integer
Public filter_selected As Integer
Public button_pressed As Integer
Public critical_value_nabidky As Variant
Public critical_value_ceny As Variant

-----
Public Sub LoadData(choose_sheet_list As Object)

    Dim w_open_name
    Dim poz As Integer, ext As String
    Dim fso As Object

    If gEnableErrorHandling Then On Error GoTo errHandler
        datum = Date
        Dim den As Integer
        Dim mesic As Integer
        Dim rok As Integer
        shift = 0
        Set fso = CreateObject("Scripting.FileSystemObject")
        w_open_name = Application.GetOpenFilename
        If w_open_name <> False Then
            poz = InStrRev(w_open_name, ".")
            ext = Mid(w_open_name, poz + 1)
            Set app_temp = New Excel.Application
            app_temp.Visible = False
            Set setup_book = app_temp.Workbooks.Add(w_open_name)
            With choose_sheet_list
                For k = 1 To setup_book.Sheets.Count
                    .AddItem
                    .list(k - 1, 0) = setup_book.Sheets(k).Name
                Next k
            End With
        End If
    konecOK:
        Set fso = Nothing
    Exit Sub
errHandler:
    MsgBox "Nastala chyba při nahrávání vstupního souboru. Skuste ho nahrát znovu."
    app_temp.DisplayAlerts = False
    If Not setup_book Is Nothing Then
        setup_book.Close savechanges:=False
        Set setup_book = Nothing
    End If
End Sub
```

```

app_temp.DisplayAlerts = True
If Not app_temp Is Nothing Then
    app_temp.Quit
    Set app_temp = Nothing
End If
Set fso = Nothing
End Sub

```

```

Public Sub ChooseSheet(setup_book As Object, choose_sheet_list As Object, choose_var_list As Object)

```

```

    Dim fso As Object
    If gEnableErrorHandling Then On Error GoTo errHandler
    If setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1).Value = "" Then
        MsgBox ("Data ve zvoleném sešitu nezačínají na bunce A1. Zvolte správný sešit nebo upravte
        zvolenej datový soubor.")
        Exit Sub
    Else
        Call ClearList(choose_var_list)
    End If
    ' vytvoř indikátorové proměnné
    konec = setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count
    ' dummy podlimit
    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Pøedbìžná hodnota",
    After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
    SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_predp = found_text.Column
        Set found_text = Nothing
        naslo_predp = 1
    End If
    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:"Dopoèteno ZPØ limit",
    After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
    SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_limit1 = found_text.Column
        Set found_text = Nothing
        naslo_limit1 = 1
    End If
    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:"Dopoètený limit",
    After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
    SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_limit2 = found_text.Column
        Set found_text = Nothing
        naslo_limit2 = 1
    End If
    If naslo_predp = 1 And naslo_limit1 = 1 And naslo_limit2 = 1 Then
        setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "dummy_podlimit"
        ReDim data_array_limit1(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count
        - 1) As Variant
        ReDim data_array_limit2(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count
        - 1) As Variant
        ReDim data_array_predp(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count
        - 1) As Variant
        ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1, 0)
        As Variant

```

```

    data_array_limit1 =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_limit1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_limit1)).Value
    data_array_limit2 =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_limit2),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_limit2)).Value
    data_array_predp =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_predp),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_predp)).Value

```

```

For k = 1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1
    If data_array_predp(k, 1) <> "" And data_array_predp(k, 1) <> 0 And (data_array_limit1(k, 1) <> "" Or
data_array_limit2(k, 1) <> "") Then
        If data_array_limit1(k, 1) <> "" Then
            If data_array_predp(k, 1) > 0.95 * data_array_limit1(k, 1) And data_array_predp(k, 1) < 1 *
data_array_limit1(k, 1) Then
                result_array(k, 0) = 1
            Else
                result_array(k, 0) = 0
            End If
        ElseIf data_array_limit2(k, 1) <> "" Then
            If data_array_predp(k, 1) > 0.95 * data_array_limit2(k, 1) And data_array_predp(k, 1) < 1 *
data_array_limit2(k, 1) Then
                result_array(k, 0) = 1
            Else
                result_array(k, 0) = 0
            End If
        End If
    End If
Next k

```

```

    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
konec + 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, konec + 1)).Value = result_array
    konec = konec + 1

```

```

Erase data_array_predp
Erase data_array_limit1
Erase data_array_limit2
Erase result_array

```

```

naslo_limit1 = 0
naslo_limit2 = 0
naslo_predp = 0

```

```

End If

```

```

'pocet nabizejicich

```

```
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Počet obdržaných nabídek", After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
```

```
If Not found_text Is Nothing Then  
    stlpec_pocet = found_text.Column  
    Set found_text = Nothing  
    naslo_pocet = 1  
End If
```

```
If naslo_pocet = 1 Then  
    setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "pocet nabizejicich"  
    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2, konec + 1),  
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, konec + 1)).Value = _  
    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2, stlpec_pocet),  
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_pocet)).Value  
    konec = konec + 1  
    naslo_pocet = 0  
End If
```

'% rozdíl očekávané hodnoty a vysoutižené ceny

```
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Předbižná hodnota", After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
```

```
If Not found_text Is Nothing Then  
    stlpec_predp = found_text.Column  
    Set found_text = Nothing  
    naslo_predp = 1  
End If
```

```
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Konečná hodnota celková", After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
```

```
If Not found_text Is Nothing Then  
    stlpec_konecna = found_text.Column  
    Set found_text = Nothing  
    naslo_konecna = 1  
End If
```

```
If naslo_predp = 1 And naslo_konecna = 1 Then  
    setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "rozdil predpokladanej konecnej ceny"  
    ReDim data_array_predp(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1)  
As Variant  
    ReDim data_array_celk(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1)  
As Variant  
    ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1, 0) As Variant  
    data_array_predp =  
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2, stlpec_predp),  
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_predp)).Value
```

```

data_array_celk =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_konecna),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_konecna)).Value

```

```

For k = 1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1
  If data_array_predp(k, 1) <> "" And data_array_predp(k, 1) <> 0 And data_array_celk(k, 1) <> "" Then
    result_array(k, 0) = (data_array_celk(k, 1) - data_array_predp(k, 1)) / data_array_predp(k, 1)
  Else
    result_array(k, 0) = ""
  End If
End If
Next k

```

```

setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
konec + 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, konec + 1)).Value = result_array
  konec = konec + 1
  Erase data_array_predp
  Erase data_array_celk
  Erase result_array
  naslo_predp = 0
  naslo_konecna = 0
End If

```

```

'% dummy nezadane v otevrenem rizeni
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Druh ZØ",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
  stlpec_zr = found_text.Column
  Set found_text = Nothing
  naslo_zr = 1
End If
If naslo_zr = 1 Then
  setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "zadané v jednacím øízení bez
uveøejnìní"
  ReDim data_array_zr(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1) As
Variant
  ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1, 1) As
Variant
  data_array_zr =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_zr),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec_zr)).Value

```

```

For k = 1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1
  If data_array_zr(k, 1) = "JØBU" Then
    result_array(k, 0) = 1
  Else
    result_array(k, 0) = 0
  End If
End If
Next k

```

```

setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
konec + 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count,
konec + 1)).Value = result_array
    konec = konec + 1
    Erase data_array_zr
    Erase result_array
    naslo_zr = 0
End If

```

'dummy uohs

```

Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="Šetøené UOHS",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)

```

```

If Not found_text Is Nothing Then
    stlpec_form = found_text.Column
    Set found_text = Nothing
    naslo_form = 1
End If

```

```

If naslo_form = 1 Then

```

```

    setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "dummy_uohs"
    ReDim data_array_uohs(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1)

```

```

As Variant

```

```

    ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1, 0) As Variant

```

```

    data_array_uohs =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_form),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count,
stlpec_form)).Value
    result_array = data_array_uohs
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
konec + 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count,
konec + 1)).Value = result_array
    konec = konec + 1
    Erase data_array_uohs
    Erase result_array
    naslo_form = 0
End If

```

'% stari dodavatele

```

Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:"První formuláø",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)

```

```

If Not found_text Is Nothing Then
    stlpec_form = found_text.Column
    Set found_text = Nothing
    naslo_form = 1
End If

```

```

Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:"Datum založení",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)

```

```

If Not found_text Is Nothing Then

```

```

    stlpec_zal = found_text.Column
    Set found_text = Nothing
    naslo_zal = 1
End If

If naslo_zal = 1 And naslo_form = 1 Then
    setup_book.Sheets(choose_sheet_list.Value).Cells(1, konec + 1).Value = "stáží dodavatele"
    ReDim data_array_zam(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1)
As Variant
    ReDim data_array_int(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1) As
Variant
    ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1, 0) As
Variant
    data_array_zal =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_zal),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Ro
ws.Count, stlpec_zal)).Value
    data_array_form =
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
stlpec_form),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Ro
ws.Count, stlpec_form)).Value

    For k = 1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1
        If IsError(data_array_form(k, 1)) = False And IsError(data_array_zal(k, 1)) = False Then
            If data_array_form(k, 1) <> "NA" And data_array_zal(k, 1) <> "NA" Then
                If data_array_form(k, 1) <> "" And data_array_zal(k, 1) <> "" Then
                    result_array(k, 0) = Int(CDbl(data_array_form(k, 1))) - Int(CDbl(data_array_zal(k, 1)))
                End If
            End If
        End If
    Next k

setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(2,
konec + 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Ro
ws.Count, konec + 1)).Value = result_array
    konec = konec + 1
    Erase data_array_zal
    Erase data_array_form
    Erase result_array
    naslo_zal = 0
    naslo_form = 0
End If

l = 0
For k = 1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count
    With choose_var_list
        hodnota = Application.WorksheetFunction.Trim(setup_book.Sheets(choose_sheet_list.Value).Cells(1,
1).Offset(0, k - 1).Value)
        If hodnota = "Typ oznámení" Or hodnota = "Kvartál zadání podle formuláře" Or hodnota = "Druh
zakázky" Or hodnota = "VZ financ. z prostředků ES" Or hodnota = "CPV úroveň 1" Then
            .AddItem
            .list(l, 0) = setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1).Offset(0, k - 1).Value
            .list(l, 1) = k
            l = l + 1
        End If
    End With
Next k

```

```

        End If
    End With
Next k

setup_book.Sheets(choose_sheet_list.Value).AutoFilterMode = False
setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, konec)).AutoFilter
exists = False

For i = 1 To setup_book.Worksheets.Count
    If setup_book.Worksheets(i).Name = "Zadané podmínky" Then
        exists = True
        Exit For
    End If
Next i

If exists Then
    app_temp.DisplayAlerts = False
    setup_book.Sheets("Zadané podmínky").Delete
    app_temp.DisplayAlerts = True
    setup_book.Sheets.Add.Name = "Zadané podmínky"
Else
    setup_book.Sheets.Add.Name = "Zadané podmínky"
    setup_book.Sheets("Zadané podmínky").Cells(1, 1).Value = "Zvolená filtrace"

    For k = 0 To choose_var_list.ListCount - 1
        setup_book.Sheets("Zadané podmínky").Cells(2 + k, 1).Value = choose_var_list.list(k, 0)
        setup_book.Sheets("Zadané podmínky").Cells(2 + k, 2).Value = "Všechny proměnné"
    Next k
End If

konecOK:
    Set fso = Nothing
Exit Sub
errHandler:
    MsgBox "Nastala chyba při nahrávání vstupního souboru. Skuste ho nahrát znovu."
    app_temp.DisplayAlerts = False
    If Not setup_book Is Nothing Then
        setup_book.Close savechanges:=False
        Set setup_book = Nothing
    End If
    app_temp.DisplayAlerts = True
    If Not app_temp Is Nothing Then
        app_temp.Quit
        Set app_temp = Nothing
    End If
    Set fso = Nothing

End Sub
-----
Public Sub ClearList(ByVal list As Object)

    list.Clear

End Sub
-----

```



```
Sub create_pivot(setup_book As Object, choose_sheet_list As Object, percentil_criterium1 As Object,
percentil_condition1 As Object, percentil_criterium2 As Object, percentil_condition2 As Object,
percentil_criterium3 As Object, percentil_condition3 As Object, choose_var_list As Object, percentil_value1 As
Object, percentil_value2 As Object, percentil_value3 As Object)
```

```
Dim fso As Object
If gEnableErrorHandling Then On Error GoTo errHandler
```

```
Dim sht As Worksheet
Dim pvtCache As PivotCache
Dim pvt As PivotTable
Dim StartPvt As String
Dim SrcData As String
```

```
percentil_condition1.Value = ""
percentil_condition2.Value = ""
percentil_condition3.Value = ""
percentil_value1.ListWidth = 30
percentil_value2.ListWidth = 30
percentil_value3.ListWidth = 30
percentil_criterium1.ListWidth = 190
percentil_criterium2.ListWidth = 190
percentil_criterium3.ListWidth = 190
```

```
'Determine the data range you want to pivot
SrcData = setup_book.Sheets("filtered").Name & "!" &
setup_book.Sheets("filtered").UsedRange.Address(ReferenceStyle:=xlR1C1)
exists = False
For i = 1 To setup_book.Worksheets.Count
If setup_book.Worksheets(i).Name = "pivot" Then
exists = True
Exit For
End If
Next i
If exists Then
app_temp.DisplayAlerts = False
setup_book.Sheets("pivot").Delete
app_temp.DisplayAlerts = True
setup_book.Sheets.Add.Name = "pivot"
Else
setup_book.Sheets.Add.Name = "pivot"
End If
Set sht = setup_book.Sheets("pivot")
StartPvt = sht.Name & "!" & sht.Range("A3").Address(ReferenceStyle:=xlR1C1)
Set pvtCache = setup_book.PivotCaches.Create( _
Source:=xlDatabase, _
SourceData:=SrcData)
Set pvt = pvtCache.CreatePivotTable( _
TableDestination:=StartPvt, _
TableName:="PivotTable1")
```

```
pvt.PivotFields("IÈO zadavatele").Orientation = xlRowField
Call ClearList(percentil_criterium1)
Call ClearList(percentil_criterium2)
Call ClearList(percentil_criterium3)
```

```
hodnota = "dummy_podlimit"
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
Set found_text = Nothing
pf_Name = "Podlimitní zakázky"
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage
percentil_criterium1.AddItem
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium2.AddItem
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium3.AddItem
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name
End If
```

```
hodnota = "Šetøené UOHS"
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
Set found_text = Nothing
pf_Name = "Šetøeno UOHS"
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage
percentil_criterium1.AddItem
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium2.AddItem
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium3.AddItem
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name
End If
```

```
hodnota = "pocet nabizejicich"
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
Set found_text = Nothing
pf_Name = "Poèet nabídek"
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage
percentil_criterium1.AddItem
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium2.AddItem
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name
percentil_criterium3.AddItem
```

```
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name  
End If
```

```
hodnota = "rozdil predpokladanej konecnej ceny"  
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,  
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,  
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)  
If Not found_text Is Nothing Then  
Set found_text = Nothing  
pf_Name = "Rozdíl cen"  
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage  
percentil_criterium1.AddItem  
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium2.AddItem  
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium3.AddItem  
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name  
End If
```

```
hodnota = "zadané v jednacím řízení bez uveřejnění"  
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,  
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,  
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)  
If Not found_text Is Nothing Then  
Set found_text = Nothing  
pf_Name = "JØBU"  
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage  
percentil_criterium1.AddItem  
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium2.AddItem  
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium3.AddItem  
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name  
End If
```

```
hodnota = "zahr. a malo zamestnancu"  
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,  
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,  
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)  
If Not found_text Is Nothing Then  
Set found_text = Nothing  
pf_Name = "Malý a zahraniční dodavatel"  
pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlAverage  
percentil_criterium1.AddItem  
percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium2.AddItem  
percentil_criterium2.list(percentil_criterium1.ListCount - 1) = pf_Name  
percentil_criterium3.AddItem  
percentil_criterium3.list(percentil_criterium1.ListCount - 1) = pf_Name  
End If
```

```

hodnota = "zadané v jednacím øízení bez uveøejnìní"
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:=hodnota,
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        Set found_text = Nothing
        pf_Name = "Pocet zakazek"
        pvt.AddDataField pvt.PivotFields(hodnota), pf_Name, xlCount
        'percentil_criterium1.AddItem
        'percentil_criterium1.list(percentil_criterium1.ListCount - 1) = pf_Name
    End If
pvt.ManualUpdate = False

pocet_zadavatelu = 0
pf_Name = "Pocet zakazek"
Set found_text = setup_book.Sheets("pivot").Cells.Find(What:=pf_Name,
After:=setup_book.Sheets("pivot").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows,
SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec = found_text.Column
        riadok = found_text.Row
        Set found_text = Nothing
    End If
i = 1
Do While setup_book.Sheets("pivot").Cells(riadok, stlpec).Offset(i, 0).Value <> ""
    If setup_book.Sheets("pivot").Cells(riadok, stlpec).Offset(i, 0).Value > 2 And
setup_book.Sheets("pivot").Cells(riadok, stlpec).Offset(i + 1, 0).Value <> "" And
IsNumeric(setup_book.Sheets("pivot").Cells(riadok, 1).Offset(i, 0).Value) Then
        pocet_zadavatelu = pocet_zadavatelu + 1
    End If
    i = i + 1
Loop
If pocet_zadavatelu >= 32 Then
    'MsgBox ("Poèet nalezených zadavatelù obsahujících alespoø 3 zakázky a vyhovujících zvolené filtraci je " &
pocet_zadavatelu & ". Program mùže pokračovat výběrem dalších kritérií.")
    MsgBox ("Poèet vyfiltrovaných zakázek je dostateèný. Je možné pokračovat výběrem kritérií rizikového
chování")
    UserForm1.Height = 501
Else
    'MsgBox ("Poèet nalezených zadavatelù obsahujících alespoø 3 zakázky a vyhovujících zvolené filtraci je " &
pocet_zadavatelu & ". Jelikož je jejich poèet nižší než 32, Vámi zvolená filtrace bude resetována.")
    MsgBox ("Poèet vyfiltrovaných zakázek je nedostateèný. Prosím zmiøte podmínky filtrace")
    UserForm1.Height = 314
    app_temp.DisplayAlerts = False
    setup_book.Sheets("pivot").Delete
    setup_book.Sheets("filtered").Delete

For k = 0 To choose_var_list.ListCount - 1
    choose_var_list.Selected(k) = False
Next k

```

```
app_temp.DisplayAlerts = True
```

```
    setup_book.Sheets(choose_sheet_list.Value).AutoFilterMode = False  
    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1),  
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count)).AutoFilter  
End If
```

```
konecOK:
```

```
    Set fso = Nothing
```

```
Exit Sub
```

```
errHandler:
```

```
    MsgBox "Nastala chyba při tvorbě pivot tabulky. Zkuste restartovat program."
```

```
    Set fso = Nothing
```

```
End Sub
```

```
Sub export_percentiles(setup_book As Object, choose_sheet_list As Object, percentil_criterium1 As Object,  
percentil_condition1 As Object, percentil_value1 As Object, percentil_criterium2 As Object,  
percentil_condition2 As Object, percentil_value2 As Object, percentil_criterium3 As Object,  
percentil_condition3 As Object, percentil_value3 As Object)
```

```
    Dim fso As Object
```

```
    Dim rng_filter As Range
```

```
    Dim run(1 To 3) As Integer
```

```
    For k = 1 To 3
```

```
        run(k) = 0
```

```
    Next k
```

```
    button_pressed = 0
```

```
    If gEnableErrorHandling Then On Error GoTo errHandler
```

```
        exists = False
```

```
    For i = 1 To setup_book.Worksheets.Count
```

```
        If setup_book.Worksheets(i).Name = "Rizik. zadavatele" Then
```

```
            exists = True
```

```
            setup_book.Sheets("Rizik. zadavatele").Visible = True
```

```
        Exit For
```

```
    End If
```

```
    Next i
```

```
    If exists Then
```

```
        app_temp.DisplayAlerts = False
```

```
        setup_book.Sheets("Rizik. zadavatele").Delete
```

```
        app_temp.DisplayAlerts = True
```

```
        setup_book.Sheets.Add.Name = "Rizik. zadavatele"
```

```
    Else
```

```
        setup_book.Sheets.Add.Name = "Rizik. zadavatele"
```

```
    End If
```

```
        exists = False
```

```
    For i = 1 To setup_book.Worksheets.Count
```

```
        If setup_book.Worksheets(i).Name = "pivot" Then
```

```
            exists = True
```

```

Exit For
End If
Next i
If exists = False Then
    MsgBox "Nejdříve musíte kolapsovat data na úroveň zadavatele."
    Exit Sub
End If
get_pivot_area = CStr(setup_book.Sheets("pivot").PivotTables("PivotTable1").TableRange1.Address)
setup_book.Sheets("pivot").Range(get_pivot_area).Copy
setup_book.Sheets("Rizik. zadavatele").Range("A1").PasteSpecial Paste:=xlValues
setup_book.Sheets("Rizik. zadavatele").Rows(1).Delete shift:=xlUp
setup_book.Sheets("Rizik. zadavatele").Rows(setup_book.Sheets("Rizik.
zadavatele").UsedRange.Rows.Count).Delete shift:=xlUp
filter_variable1 = percentil_criterium1.Value
filter_condition1 = percentil_condition1.Value
filter_value1 = percentil_value1.Value
filter_variable2 = percentil_criterium2.Value
filter_condition2 = percentil_condition2.Value
filter_value2 = percentil_value2.Value
filter_variable3 = percentil_criterium3.Value
filter_condition3 = percentil_condition3.Value
filter_value3 = percentil_value3.Value
If filter_variable1 <> "" Or filter_condition1 <> "" Or filter_value1 <> "" Then
    If filter_variable1 = "" Or filter_condition1 = "" Or filter_value1 = "" Then
        MsgBox "Vyberte všechny kritéria pro první percentilovou filtraci."
        Exit Sub
    Else
        run(1) = 1
    End If
End If
If filter_variable2 <> "" Or filter_condition2 <> "" Or filter_value2 <> "" Then
    If filter_variable2 = "" Or filter_condition2 = "" Or filter_value2 = "" Then
        MsgBox "Vyberte všechny kritéria pro druhou percentilovou filtraci."
        Exit Sub
    Else
        run(2) = 1
    End If
End If
If filter_variable3 <> "" Or filter_condition3 <> "" Or filter_value3 <> "" Then
    If filter_variable3 = "" Or filter_condition3 = "" Or filter_value3 = "" Then
        MsgBox "Vyberte všechny kritéria pro druhou percentilovou filtraci."
        Exit Sub
    Else
        run(3) = 1
    End If
End If
If filter_value1 <> "" Then
    If IsNumeric(filter_value1) Then
        filter_value1 = CInt(filter_value1)
    Else

```

```

    MsgBox "Hodnota pro urèení percentilu musí být numerická."
    Exit Sub
End If
End If
If filter_value2 <> "" Then
    If IsNumeric(filter_value2) Then
        filter_value2 = CInt(filter_value2)
    Else
        MsgBox "Hodnota pro urèení percentilu musí být numerická."
        Exit Sub
    End If
End If
If filter_value3 <> "" Then
    If IsNumeric(filter_value3) Then
        filter_value3 = CInt(filter_value3)
    Else
        MsgBox "Hodnota pro urèení percentilu musí být numerická."
        Exit Sub
    End If
End If
If filter_value1 < 0 Or filter_value1 > 100 And filter_value1 <> "" Then
    MsgBox "Hodnota pro urèení percentilu musí být rozmezí 0 až 100 procent."
    Exit Sub
End If
If filter_value2 < 0 Or filter_value2 > 100 And filter_value2 <> "" Then
    MsgBox "Hodnota pro urèení percentilu musí být rozmezí 0 až 100 procent."
    Exit Sub
End If
If filter_value3 < 0 Or filter_value3 > 100 And filter_value3 <> "" Then
    MsgBox "Hodnota pro urèení percentilu musí být rozmezí 0 až 100 procent."
    Exit Sub
End If
Count = 0
For I = 1 To 3
    If run(I) = 1 Then
        Count = Count + 1
    End If
Next I
If Count = 0 Then
    MsgBox ("Zvolte alespoò jednu kritèriovou promìnnou.")
    Exit Sub
End If
For I = 1 To 3
    If run(I) <> 0 Then
        If I = 1 Then
            filter_variable = filter_variable1
            filter_value = filter_value1
            filter_condition = filter_condition1
        End If
    End If

```

```

If I = 2 Then
    filter_variable = filter_variable2
    filter_value = filter_value2
    filter_condition = filter_condition2
End If
If I = 3 Then
    filter_variable = filter_variable3
    filter_value = filter_value3
    filter_condition = filter_condition3
End If
If setup_book.Sheets("Rizik. zadavatele").UsedRange.Rows.Count = 1 Then
    Exit For
End If
Set found_text = setup_book.Sheets("Rizik. zadavatele").Cells.Find(What:=filter_variable,
After:=setup_book.Sheets("Rizik. zadavatele").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
    stlpec = found_text.Column
    Set found_text = Nothing
    Set rng_filter = setup_book.Sheets("Rizik. zadavatele").Range(setup_book.Sheets("Rizik.
zadavatele").Cells(2, stlpec), setup_book.Sheets("Rizik. zadavatele").Cells(setup_book.Sheets("Rizik.
zadavatele").UsedRange.Rows.Count, stlpec))
    critical_value = app_temp.WorksheetFunction.Percentile_Inc(rng_filter, filter_value / 100)
    If filter_variable = "Poèet nabídek" Then
        critical_value_nabidky = critical_value
    End If
    If filter_variable = "Rozdíl cen" Then
        critical_value_ceny = Format(critical_value, "#0.0000000000")
        critical_value_ceny = Replace(critical_value_ceny, ",", ".")
    End If
    stlpec_keep = setup_book.Sheets("Rizik. zadavatele").UsedRange.Columns.Count + 1
    setup_book.Sheets("Rizik. zadavatele").Cells(1, stlpec_keep).Value = "keep" & I
    ReDim rng_keep(1 To setup_book.Sheets("Rizik. zadavatele").UsedRange.Rows.Count - 1) As Variant
    Set found_text = setup_book.Sheets("Rizik. zadavatele").Cells.Find(What:="Pocet zakazek",
After:=setup_book.Sheets("Rizik. zadavatele").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    stlpec2 = found_text.Column
    For k = 2 To setup_book.Sheets("Rizik. zadavatele").UsedRange.Rows.Count
        If filter_condition = "Ménì" Then
            If setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value < critical_value And
setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <> "" And setup_book.Sheets("Rizik.
zadavatele").Cells(k, stlpec2).Value >= 3 And setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "." And
setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "(blank)" Then
                rng_keep(k - 1) = 1
            End If
        End If
        If filter_condition = "Ménì nebo rovno" Then
            If setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <= critical_value And
setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <> "" And setup_book.Sheets("Rizik.

```



```

zadavatele").Cells(k, stlpec2).Value >= 3 And setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "." And
setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "(blank)" Then
    rng_keep(k - 1) = 1
End If
End If
If filter_condition = "Rovno" Then
    If setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value = critical_value And
setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <> "" And setup_book.Sheets("Rizik.
zadavatele").Cells(k, stlpec2).Value >= 3 And setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "." And
setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "(blank)" Then
        rng_keep(k - 1) = 1
    End If
End If
If filter_condition = "Více nebo rovno" Then
    If setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value >= critical_value And
setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <> "" And setup_book.Sheets("Rizik.
zadavatele").Cells(k, stlpec2).Value >= 3 And setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "." And
setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "(blank)" Then
        rng_keep(k - 1) = 1
    End If
End If
If filter_condition = "Více" Then
    If setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value > critical_value And
setup_book.Sheets("Rizik. zadavatele").Cells(k, stlpec).Value <> "" And setup_book.Sheets("Rizik.
zadavatele").Cells(k, stlpec2).Value >= 3 And setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "." And
setup_book.Sheets("Rizik. zadavatele").Cells(k, 1).Value <> "(blank)" Then
        rng_keep(k - 1) = 1
    End If
End If
Next k
    setup_book.Sheets("Rizik. zadavatele").Range(setup_book.Sheets("Rizik. zadavatele").Cells(2,
stlpec_keep), setup_book.Sheets("Rizik. zadavatele").Cells(setup_book.Sheets("Rizik.
zadavatele").UsedRange.Rows.Count, stlpec_keep)) = WorksheetFunction.Transpose(rng_keep)
    setup_book.Sheets("Rizik. zadavatele").UsedRange.Sort Key1:=setup_book.Sheets("Rizik.
zadavatele").Cells(1, stlpec_keep), Order1:=xlAscending, Header:=xlYes
    If setup_book.Sheets("Rizik. zadavatele").Cells(2, stlpec_keep).Value <> "" Then
        riadok_delete = setup_book.Sheets("Rizik. zadavatele").Cells(1, stlpec_keep).End(xlDown).Row +
1
    Else
        riadok_delete = 2
    End If
    setup_book.Sheets("Rizik. zadavatele").Range(setup_book.Sheets("Rizik.
zadavatele").Cells(riadok_delete, 1), setup_book.Sheets("Rizik. zadavatele").Cells(setup_book.Sheets("Rizik.
zadavatele").UsedRange.Rows.Count, stlpec_keep)).ClearContents
    setup_book.Sheets("Rizik. zadavatele").Columns(stlpec_keep).ClearContents
    button_pressed = 1
    If setup_book.Sheets("Rizik. zadavatele").Cells(1, 1).Value = "Row Labels" Then
        setup_book.Sheets("Rizik. zadavatele").Cells(1, 1).Value = "IÈO zadavatele"
    End If
End If

```

```

        End If
    Next I
Call zakazky(setup_book, choose_sheet_list, percentil_criterium1, percentil_criterium2, percentil_criterium3)
    riadok_kriterium = setup_book.Sheets("Zadané podmínky").Cells(1, 1).End(xlDown).Row
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 2, 1).Value = "Zvolená kritéria"
    setup_book.Sheets("Zadané podmínky").Range(setup_book.Sheets("Zadané
podmínky").Cells(riadok_kriterium + 3, 1), setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 5,
3)).ClearContents
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 3, 1).Value = percentil_criterium1.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 3, 2).Value = percentil_condition1.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 3, 3).Value = percentil_value1.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 4, 1).Value = percentil_criterium2.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 4, 2).Value = percentil_condition2.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 4, 3).Value = percentil_value2.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 5, 1).Value = percentil_criterium3.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 5, 2).Value = percentil_condition3.Value
    setup_book.Sheets("Zadané podmínky").Cells(riadok_kriterium + 5, 3).Value = percentil_value3.Value
    setup_book.Sheets("filtered").Visible = xlSheetVeryHidden
    setup_book.Sheets("pivot").Visible = xlSheetVeryHidden
    setup_book.Sheets("Rizik. zadavatele").Visible = xlSheetVeryHidden
    setup_book.Sheets(choose_sheet_list.Value).Visible = xlSheetVeryHidden
    zak_row = 0
    Set Target = setup_book.Sheets("Rizikové zakázky").UsedRange
    For Each c In Target.SpecialCells(xlCellTypeVisible).Areas
        zak_row = zak_row + c.Rows.Count
    Next
    MsgBox ("Počet rizikových zakázek je " & zak_row - 1 & ". Jejich seznam se zobrazí po zavěření tohoto okna. I
nadále můžete pokračovat v používání programu a měnit parametry výběru, již realizovaný výběr však bude
přepsán.")
    app_temp.Visible = True
konecOK:
    Set fso = Nothing
Exit Sub
errHandler:
    MsgBox "Nastala chyba při tvorbě pivot tabulky. Zkuste restartovat program."
    Set fso = Nothing
End Sub

```

```

Sub zakazky(setup_book As Object, choose_sheet_list As Object, percentil_criterium1 As Object,
percentil_criterium2 As Object, percentil_criterium3 As Object)

```

```

    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="IÈO zadavatele",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_icozad = found_text.Column
        Set found_text = Nothing
    Else
        Exit Sub
    End If

```

```

End If
exists = False
For i = 1 To setup_book.Worksheets.Count
    If setup_book.Worksheets(i).Name = "Rizikové zakázky" Then
        exists = True
        Exit For
    End If
Next i
If exists Then
    app_temp.DisplayAlerts = False
    setup_book.Sheets("Rizikové zakázky").Delete
    app_temp.DisplayAlerts = True
End If
setup_book.Sheets(choose_sheet_list.Value).Visible = True
setup_book.Sheets(choose_sheet_list.Value).Copy Before:=setup_book.Sheets(1)
setup_book.Sheets(1).Name = "Rizikové zakázky"
'setup_book.Sheets("Rizikové zakázky").AutoFilterMode = False
Var = setup_book.Sheets("Rizik. zadavatele").Range(setup_book.Sheets("Rizik. zadavatele").Cells(2, 1),
setup_book.Sheets("Rizik. zadavatele").Cells(setup_book.Sheets("Rizik. zadavatele").UsedRange.Rows.Count,
1)).Value
If IsArray(Var) = True Then
    ReDim sArray(1 To UBound(Var))
    For i = 1 To (UBound(Var))
        sArray(i) = CStr(Var(i, 1))
    Next
    setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové zakázky").UsedRange.Rows.Count,
setup_book.Sheets("Rizikové zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_icozad,
Criteria1:=sArray, Operator:=xlFilterValues
Else
    setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové
zakázky").UsedRange.Rows.Count, setup_book.Sheets("Rizikové
zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_icozad, Criteria1:=CStr(Var),
Operator:=xlFilterValues
End If

'doplňující kritérium podlimitní zakázky
If percentil_criterium1.Value = "Podlimitní zakázky" Or percentil_criterium2.Value = "Podlimitní zakázky" Or
percentil_criterium3.Value = "Podlimitní zakázky" Then
    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="dummy_podlimit",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_podlimit = found_text.Column
        Set found_text = Nothing
    Else
        Exit Sub
    End If

```

```
setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové
zakázky").UsedRange.Rows.Count, setup_book.Sheets("Rizikové
zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_podlimit, Criteria1:=CStr(1),
Operator:=xlFilterValues
```

End If

'doplňující kritérium Šetěné UOHS

```
If percentil_criterium1.Value = "Šetěno UOHS" Or percentil_criterium2.Value = "Šetěno UOHS" Or
percentil_criterium3.Value = "Šetěno UOHS" Then
```

```
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="dummy_uohs",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
```

```
If Not found_text Is Nothing Then
```

```
stlpec_uohs = found_text.Column
```

```
Set found_text = Nothing
```

```
Else
```

```
Exit Sub
```

```
End If
```

```
setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové
zakázky").UsedRange.Rows.Count, setup_book.Sheets("Rizikové
zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_uohs, Criteria1:=CStr(1),
Operator:=xlFilterValues
```

End If

'doplňující kritérium JØBU

```
If percentil_criterium1.Value = "JØBU" Or percentil_criterium2.Value = "JØBU" Or
percentil_criterium3.Value = "JØBU" Then
```

```
Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="zadané v jednacím øízení
bez uveøejnìní", After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues,
LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
```

```
If Not found_text Is Nothing Then
```

```
stlpec_jrbu = found_text.Column
```

```
Set found_text = Nothing
```

```
Else
```

```
Exit Sub
```

```
End If
```

```
setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové
zakázky").UsedRange.Rows.Count, setup_book.Sheets("Rizikové
zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_jrbu, Criteria1:=CStr(1),
Operator:=xlFilterValues
```

End If

'doplňující kritérium počet nabízejících

```
If percentil_criterium1.Value = "Počet nabídek" Or percentil_criterium2.Value = "Počet nabídek" Or
percentil_criterium3.Value = "Počet nabídek" Then
```

```

Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="pocet nabizejicich",
After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole,
SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
If Not found_text Is Nothing Then
    stlpec_nabidky = found_text.Column
    Set found_text = Nothing
Else
    Exit Sub
End If
setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové zakázky").UsedRange.Rows.Count,
setup_book.Sheets("Rizikové zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_nabidky,
Criteria1:="<" & CStr(critical_value_nabidky), Operator:=xlFilterValues
End If

'doplňující kritérium rozdíl cen
If percentil_criterium1.Value = "Rozdíl cen" Or percentil_criterium2.Value = "Rozdíl cen" Or
percentil_criterium3.Value = "Rozdíl cen" Then
    Set found_text = setup_book.Sheets(choose_sheet_list.Value).Cells.Find(What:="rozdil predpokladanej
konecnej ceny", After:=setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), LookIn:=xlValues,
LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        stlpec_ceny = found_text.Column
        Set found_text = Nothing
    Else
        Exit Sub
    End If
    setup_book.Sheets("Rizikové zakázky").Range(setup_book.Sheets("Rizikové zakázky").Cells(1, 1),
setup_book.Sheets("Rizikové zakázky").Cells(setup_book.Sheets("Rizikové
zakázky").UsedRange.Rows.Count, setup_book.Sheets("Rizikové
zakázky").UsedRange.Columns.Count)).AutoFilter Field:=stlpec_ceny, Criteria1:=">" &
CStr(critical_value_ceny), Operator:=xlFilterValues
End If
End Sub

```

```

Public Sub select_filter_variable(setup_book As Object, choose_sheet_list As Object, choose_var_list As Object,
filter_list As Object)

```

```

Dim fso As Object
If gEnableErrorHandling Then On Error GoTo errHandler
stlpec = CInt(choose_var_list.list(var_selected, 1))
exists = False
For i = 1 To setup_book.Worksheets.Count
    If setup_book.Worksheets(i).Name = "temp" Then
        exists = True
        Exit For
    End If
Next i
If exists Then
    app_temp.DisplayAlerts = False

```

```

    setup_book.Sheets("temp").Delete
    app_temp.DisplayAlerts = True
    setup_book.Sheets.Add.Name = "temp"
Else
    setup_book.Sheets.Add.Name = "temp"
End If
ReDim result_array(1 To setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count - 1) As Variant
setup_book.Sheets("temp").Range(setup_book.Sheets("temp").Cells(1, 1),
setup_book.Sheets("temp").Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count,
1)).Value = _
    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1,
stlpec),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, stlpec)).Value
    setup_book.Sheets("temp").Range(setup_book.Sheets("temp").Cells(1, 1),
setup_book.Sheets("temp").Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count,
1)).AdvancedFilter Action:=xlFilterCopy, CopyToRange:=setup_book.Sheets("temp").Range("B1"), Unique:=True
    setup_book.Sheets("temp").Range("A:A").ClearContents
    setup_book.Sheets("temp").Range("B1").Sort Key1:=setup_book.Sheets("temp").Range("B2"),
Order1:=xlAscending, Header:=xlYes
Call ClearList(filter_list)
For k = 2 To setup_book.Sheets("temp").UsedRange.Rows.Count
    If IsError(setup_book.Sheets("temp").Cells(k, 2).Value) = False Then
        With filter_list
            .AddItem
            .list(k - 2, 0) = setup_book.Sheets("temp").Cells(k, 2).Value
        End With
    End If
Next k
app_temp.DisplayAlerts = False
setup_book.Sheets("temp").Delete
app_temp.DisplayAlerts = True
If choose_var_list.Selected(var_selected) = False Then
    setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1),
setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count)).AutoFilter Field:=stlpec
    Call ClearList(filter_list)
    Set found_text = setup_book.Sheets("Zadané
podmínky").Cells.Find(What:=choose_var_list.list(var_selected, 0), After:=setup_book.Sheets("Zadané
podmínky").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext,
MatchCase:=False, SearchFormat:=False)
    If Not found_text Is Nothing Then
        riadok = found_text.Row
        Set found_text = Nothing
        setup_book.Sheets("Zadané podmínky").Range(setup_book.Sheets("Zadané podmínky").Cells(riadok, 2),
setup_book.Sheets("Zadané podmínky").Cells(riadok, 16384)).ClearContents
        setup_book.Sheets("Zadané podmínky").Cells(riadok, 2).Value = "Všechny proměnné"
    End If
End If

```

konecOK:

Set fso = Nothing

Exit Sub

errHandler:

MsgBox "Nastala chyba při výběru proměnné pro filtraci. Zkuste restartovat program."

Set fso = Nothing

End Sub

Public Sub select_filter_value(setup_book As Object, choose_sheet_list As Object, choose_var_list As Object, filter_list As Object)

Dim fso As Object

Dim selected_items() As Variant

If gEnableErrorHandling Then On Error GoTo errHandler

Value = filter_list.list(filter_selected, 0)

stlpec = CInt(choose_var_list.list(var_selected, 1))

Count = 0

For k = 0 To filter_list.ListCount - 1

If filter_list.Selected(k) = True Then

Count = Count + 1

ReDim Preserve selected_items(Count)

selected_items(Count - 1) = filter_list.list(k)

End If

Next k

If Count > 0 Then

setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count)).AutoFilter Field:=stlpec, Criteria1:=Array(selected_items), Operator:=xlFilterValues

Set found_text = setup_book.Sheets("Zadané podmínky").Cells.Find(What:=choose_var_list.list(var_selected, 0), After:=setup_book.Sheets("Zadané podmínky").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)

If Not found_text Is Nothing Then

riadok = found_text.Row

Set found_text = Nothing

setup_book.Sheets("Zadané podmínky").Range(setup_book.Sheets("Zadané podmínky").Cells(riadok, 2), setup_book.Sheets("Zadané podmínky").Cells(riadok, 16384)).ClearContents

setup_book.Sheets("Zadané podmínky").Range(setup_book.Sheets("Zadané podmínky").Cells(riadok, 2), setup_book.Sheets("Zadané podmínky").Cells(riadok, 2 + Count - 1)) = selected_items

End If

Else

setup_book.Sheets(choose_sheet_list.Value).Range(setup_book.Sheets(choose_sheet_list.Value).Cells(1, 1), setup_book.Sheets(choose_sheet_list.Value).Cells(setup_book.Sheets(choose_sheet_list.Value).UsedRange.Rows.Count, setup_book.Sheets(choose_sheet_list.Value).UsedRange.Columns.Count)).AutoFilter Field:=stlpec

Set found_text = setup_book.Sheets("Zadané podmínky").Cells.Find(What:=choose_var_list.list(var_selected, 0), After:=setup_book.Sheets("Zadané podmínky").Cells(1, 1), LookIn:=xlValues, LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, MatchCase:=False, SearchFormat:=False)

```
    If Not found_text Is Nothing Then
        riadok = found_text.Row
        Set found_text = Nothing
        setup_book.Sheets("Zadané podmínky").Range(setup_book.Sheets("Zadané podmínky").Cells(riadok, 2),
setup_book.Sheets("Zadané podmínky").Cells(riadok, 16384)).ClearContents
        setup_book.Sheets("Zadané podmínky").Cells(riadok, 2).Value = "Všechy promínné"
    End If
End If
konecOK:
    Set fso = Nothing
Exit Sub
errHandler:
    MsgBox "Nastala chyba při výběru promínné pro filtraci. Zkuste restartovat program."
    Set fso = Nothing
End Sub
```

```
Sub Export_filtered_data(setup_book As Object, choose_sheet_list As Object)
```

```
    Dim fso As Object
    If gEnableErrorHandling Then On Error GoTo errHandler
    exists = False
    For i = 1 To setup_book.Worksheets.Count
        If setup_book.Worksheets(i).Name = "filtered" Then
            exists = True
        Exit For
    End If
    Next i
    If exists Then
        setup_book.Sheets("filtered").Cells.ClearContents
    Else
        setup_book.Sheets.Add.Name = "filtered"
    End If
    setup_book.Sheets(choose_sheet_list.Value).UsedRange.Copy
    Destination:=setup_book.Sheets("filtered").Range("A1")
konecOK:
    Set fso = Nothing
Exit Sub
errHandler:
    MsgBox "Nastala chyba při koníèné filtraci. Zkuste restartovat program."
    Set fso = Nothing
End Sub
```
