

Option Explicit

```
Sub SplitDataIntoWorkbooksByCategory()
```

```
    Dim ws As Worksheet
```

```
    Dim categoryCol As String
```

```
    Dim lastRow As Long
```

```
    Dim rng As Range, cell As Range
```

```
    Dim dict As Object
```

```
    Dim key As Variant
```

```
    Dim newWb As Workbook
```

```
    Dim header As Range
```

```
    Dim savePath As String
```

```
    Dim cleanedKey As String
```

```
    ' === CONFIGURATION ===
```

```
    categoryCol = "D" ' Column where Category is present
```

```
    savePath = "C:\Your\Desired\Folder\Path\" ' <-- Change this to your folder path
```

```
    ' Create dictionary to store unique categories
```

```
    Set dict = CreateObject("Scripting.Dictionary")
```

```
    ' Work with the first sheet (adjust if needed)
```

```
    Set ws = ThisWorkbook.Sheets(1)
```

```
    ' Find last row in category column
```

```
    lastRow = ws.Cells(ws.Rows.Count, categoryCol).End(xlUp).Row
```

```
    ' Store headers
```

```
    Set header = ws.Rows(1)
```

```
    ' Loop through each cell in Category column to store unique keys
```

```
For Each cell In ws.Range(categoryCol & "2:" & categoryCol & lastRow)
```

```
    If Not dict.Exists(cell.Value) And cell.Value <> "" Then
```

```
        dict.Add cell.Value, Nothing
```

```
    End If
```

```
Next cell
```

```
' Loop through each unique category and create a workbook
```

```
For Each key In dict.Keys
```

```
    cleanedKey = CleanFileName(key)
```

```
    ' Create a new workbook
```

```
    Set newWb = Workbooks.Add
```

```
    header.Copy Destination:=newWb.Sheets(1).Rows(1)
```

```
    ' Filter and copy rows
```

```
    ws.Rows(1).AutoFilter Field:=ws.Range(categoryCol & "1").Column, Criteria1:=key
```

```
    ws.Range("A1:A" & lastRow).EntireRow.Copy Destination:=newWb.Sheets(1).Rows(2)
```

```
    ws.AutoFilterMode = False
```

```
    ' Save the workbook
```

```
    Application.DisplayAlerts = False
```

```
    newWb.SaveAs savePath & cleanedKey & ".xlsx"
```

```
    Application.DisplayAlerts = True
```

```
    newWb.Close SaveChanges:=False
```

```
Next key
```

```
MsgBox "All files have been created successfully!", vbInformation
```

```
End Sub
```

```
Function CleanFileName(strName As String) As String
```

```
    ' Replace invalid filename characters with underscore
```

```
Dim invalidChars As Variant
```

```
Dim i As Long
```

```
invalidChars = Array("\", "/", ":", "*", "?", "\"", "<", ">", "|")
```

```
CleanFileName = strName
```

```
For i = LBound(invalidChars) To UBound(invalidChars)
```

```
    CleanFileName = Replace(CleanFileName, invalidChars(i), "_")
```

```
Next i
```

```
End Function
```