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Sub GenerateCertificates()

    Dim wdApp As Object

    Dim wdDoc As Object

    Dim fileDialog As FileDialog

    Dim wordTemplatePath As String

    Dim outputFolder As String

    Dim ws As Worksheet

    Dim lastRow As Long

    Dim i As Long

    Dim customerName As String, issueDate As String, certID As String, customerID As String

    Dim newFileName As String

    Dim shp As Object


    ' Select Word Template

    Set fileDialog = Application.FileDialog(msoFileDialogFilePicker)

    With fileDialog

        .Title = "Select Word Certificate Template"

        .Filters.Clear

        .Filters.Add "Word Documents", "*.docx; *.doc"

        .AllowMultiSelect = False

        If .Show <> -1 Then Exit Sub

        wordTemplatePath = .SelectedItems(1)

    End With


    ' Select Destination Folder

    Set fileDialog = Application.FileDialog(msoFileDialogFolderPicker)

    With fileDialog

        .Title = "Select Folder to Save PDFs"
    End With

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    If .Show <> -1 Then Exit Sub

    outputFolder = .SelectedItems(1)

End With

' Set worksheet
Set ws = ThisWorkbook.Sheets(1)

' Find last row with data
lastRow = ws.Cells(ws.Rows.Count, "A").End(xlUp).Row

' Open Word Application
On Error Resume Next
Set wdApp = GetObject("Word.Application")
If wdApp Is Nothing Then Set wdApp = CreateObject("Word.Application")
On Error GoTo 0

wdApp.Visible = False

' Loop through each row
For i = 2 To lastRow

    customerID = ws.Cells(i, 1).Value    ' Column A
    customerName = ws.Cells(i, 2).Value  ' Column B
    issueDate = ws.Cells(i, 3).Value     ' Column C
    certID = ws.Cells(i, 4).Value        ' Column D

' Open Word Template
Set wdDoc = wdApp.Documents.Open(wordTemplatePath)

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' Loop through shapes to replace placeholders
For Each shp In wdDoc.Shapes
    If shp.Type = 17 Then ' msoTextBox
        With shp.TextFrame.TextRange
            .Text = Replace(.Text, "<<CANDIDATE NAME>>", customerName)
            .Text = Replace(.Text, "<<DATE>>", issueDate)
            .Text = Replace(.Text, "<<CERTIFICATE ID>>", certID)
        End With
    End If
Next shp

' Export to PDF
newFileName = outputFolder & "\" & customerID & "_Certificate.pdf"
wdDoc.ExportAsFixedFormat OutputFileName:=newFileName, ExportFormat:=17

wdDoc.Close False

Next i

wdApp.Quit

Set wdApp = Nothing

MsgBox "All customer certificates have been generated!", vbInformation

End Sub

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