# Software Design Notes

# 1. Revision History

Rev.	Revision Notes	ECO	Date
Α	Initial Release	_	03AUG2024

# 2. Introduction

## 2.1. Purpose

Present software design notes for the VBA enabling a simple Traveler system.

### 2.2. Scope

This document applies to the VBA subroutines listed in Table 1 – Button Click Subroutines.

Table 1 – Button Click Subroutines

Subroutine	Description
saveButton_Click()	<ul> <li>Saves Word document</li> <li>Creates PDF document</li> <li>Creates/updates log entry</li> </ul>
saveAndCloseButton_Click()	<ul> <li>Saves and closes Word document</li> <li>Creates PDF document</li> <li>Creates/updates log entry</li> </ul>
closeWithoutSavingButton_Click()	<ul> <li>Closes Word document without saving</li> <li>Creates PDF document</li> <li>Does not update log</li> </ul>
deleteButton_Click()	<ul> <li>Deletes Word document</li> <li>Creates PDF document</li> <li>Deletes log entry</li> </ul>
refreshData_Click()	Updates data for analysis

## 2.3. File Locations

All Project Files

https://github.com/miniPCB/TravelerBASE.git

# 3. Software Specification Requirements

SSR1 – Usability

No text (title)

SSR1.1

Able to be run from a computer with Microsoft Office.

SSR1.2

Only requires Word, Excel and a PDF viewer.

SSR1 3

Able to be setup on a USB drive (i.e. thumb drive).

SSR1.4

Does not require password to use the document system.

SSR2 – Functionality

No text (title)

#### SSR2.1

Saves files in folders described in Table 2 – Folder Structure.

Table 2 – Folder Structure

Folder	Contents
\TravelerBASE	<ul> <li>Word template for creating new catalog entries.</li> <li>Word template for creating new inventory entries.</li> <li>Excel file with data analysis.</li> </ul>
\TravelerBASE\Records	Word documents, one per ECO.
\TravelerBASE\Records\PDFs	PDF documents, one per ECO button click.
\TravelerBASE\Reports	Word documents, one per ECO report.
\TravelerBASE\Reports\PDFs	PDF documents, one per ECO report button click.
\TravelerBASE\data	<ul><li>Excel file with data.</li><li>This folder is hidden.</li></ul>

#### SSR2.2

Functions properly when VBA macros are enabled and the VBA project model is trusted.

#### SSR2.3

Protect the VBA source code with the password in Table 3 – Password.

Table 3 – Password

Password	9hvmq6KchrZ+V&&j
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SSR2.4

Excel Files (title)

SSR2.4.1

Data workbook file placed in the hidden ...\TravelerBASE\data folder.

SSR2.4.2

Analysis workbook file placed in the ...\TravelerBASE folder.

SSR2.4.3

Display one (1) button that runs a VBA macro function listed in Table 4 – Excel Button Macros

Table 4 – Excel Button Macros

Button	Macro
Refresh	refreshData_Click()

#### SSR2.4.4

Protect the data workbook file's data sheet with the password in Table 5 – Password.

Table 5 – Password

Password	WT\$?@L&x=F5qYfC#

SSR2.5

PDF Documents (title)

SSR2.5.1

Create a PDF whenever a button is clicked.

SSR2.5.2

Stamp with username, computer ID, datatime and PDF document filepath.

SSR2.5.3

Title as [ entry name ] & "\_" & [ PARTNUMBER\_YYYYMMDDHHMMSS ] & ".pdf".

SSR2.5.4

Save catalog PDFs in the ...\TravelerBASE\Records\PDFs folder.

SSR2.5.5

Save report PDFs in the ...\TravelerBASE\ECO Reports\PDFs folder.

SSR2.5.6

Enable/disable the buttons to show in the PDF which button caused the PDF to be generated.

SSR2.6

Word Template (title)

SSR2.6.1

Save in the ...\TravelerBASE folder.

SSR2.6.2

Display four (4) buttons that run VBA macro functions listed in Table 6 – Word Button Macros.

Table 6 – Word Button Macros

Button	Macro
Save	saveButton_Click()
Save and Close	saveAndCloseButton_Click()
Close Without Saving	closeWithoutSavingButton_Click()
Delete	deleteButton_Click()

#### SSR2.6.3

Automatically save new documents when "Save" or "Save and Close" buttons are clicked according to Table 7 - Document Save Information.

Table 7 - Document Save Information

Document Type	File Details
ECO Record	<ul> <li>Filename: [ ECO number ] &amp; ".doc"</li> <li>File location:\TravelerBASE\Records</li> </ul>
Report Record	<ul> <li>Filename: [ report date in format YYYYMMDDHHMMSS ] &amp; ".doc"</li> <li>File location:\TravelerBASE\ECO Reports</li> </ul>

#### SSR2.6.4

Save form contents in excel data file as an entry (row) when "Save" or "Save and Close" buttons are clicked for the first time.

#### SSR2.6.5

Update excel data file entry (row) with form contents when "Save" or "Save and Close" buttons are clicked after the first click.

#### SSR2.6.6

Delete excel data file entry (row) and Word document when "Delete" button is clicked.

#### 4. Source Code

This source code is placed in the ThisDocument section of the Word templates.

### 4.1. Table 8 – VBA Source Code in Traveler Form (Word) Template

'Nolan Manteufel 'July-Sep 2020 'Aug 2024 'VBA SOURCE CODE PASSWORD: 9hvmg6KchrZ+V&&j 'Used to protect data Private Const MY PASSWORD = "WT\$?@L&x=F5qYfC#" Private Const DOC FOLDER = "\TRAVELER Records\" Private Const LOGBOOK = "\data\recorddata.xlsx" Private Const OPEN PDF = True 'Used to set text Private Const NEW ENTRY KEY As String = " " Private Const STAMP\_PLACEHOLDER\_TEXT As String = " " Private Const INVALID\_REQUIRED\_TEXT = "Click or tap here to enter text." 'Used to access form Content Controls by Tags Private Const datetimestamp = "datetimestamp" Private Const REQ1\_Tag = "PART\_NO" Private Const REQ2 Tag = "ASS TO" 'Used to access record-stamp Content Controls by Tags Private Const ccStampComputerID = "ccStampComputerID" Private Const ccStampUserID = "ccStampUserID" Private Const ccStampDatetime = "ccStampDatetime" Private Const ccStampPDF = "ccStampPDF" 'Data key constants Private Const dataKeyTag = "dataKey" 'for Content Control Tag 'Used to move data Private Const DATA\_ARRAY\_LENGTH As Long = 60 Private Const DATAKEY HEADER = "dataKey" Dim myDoc As Document Dim CCs As ContentControls Dim cc As ContentControl 'Stamp variables Dim macroUser As String Dim macroComputer As String

'CC variables

Dim ecoTitle As String

Dim dateTime As String

**Dim PDFFILEPATHNAMEEXT As String** 

Dim REQ1 As String

Dim dwgNumber As String

```
Dim dwgRev As String
Dim dataKeyString As String
Dim newEntry As Boolean
Dim rowIndexFinder As Long
Dim rowlndex As Long
Dim dataKeyIndexFinder As Long
Dim dataKeyIndex As Long
Private Sub getClickDetails()
'User
macroUser = Environ$("username")
macroUser = LCase(macroUser)
'Computer
macroComputer = Environ$("computername")
macroComputer = LCase(macroComputer)
'Datetime
Dim timeOnly As String
Dim dateOnly As String
timeOnly = Format(Time, "hhmmss")
dateOnly = Format(Date, "yyyymmdd")
dateTime = dateOnly & timeOnly
'Get REQ1 Data
REQ1 = ActiveDocument.SelectContentControlsByTag(REQ1_Tag)(1).Range.Text
Set cc = ActiveDocument.SelectContentControlsByTag(dataKeyTag)(1)
dataKeyString = cc.Range.Text
'New entry?
If (dataKeyString = NEW ENTRY KEY) Then
  newEntry = True
  With cc
  .LockContents = False
  .Range.Text = dateTime
  .LockContents = True
  End With
Else
  newEntry = False
End If
End Sub
Private Sub saveDoc()
'Doc filename
Dim myDocFullPath As String
myDocFullPath = myDoc.AttachedTemplate.Path
```

```
'Auto name/save document if it is new
If (myDoc.Path = "") Then
  'Lock the ECO content control
  ActiveDocument.SelectContentControlsByTag(REQ1 Tag)(1).LockContents = True
  'Create path and name for new Word document
  myDocFullPath = myDocFullPath & DOC FOLDER & REQ1 & ".docx"
  'Save new document
  myDoc.SaveAs2 filename:=myDocFullPath
Else
  myDoc.Save
End If
End Sub
Private Sub saveData()
'Set settings
Application.StatusBar = "Saving data..."
Dim dataArray(DATA_ARRAY_LENGTH) As String
Dim rowIndexFinder As Long
Dim rowIndex As Long
'Populate dataArray
Dim ccIndex As Long
ccIndex = 1
For Each cc In CCs
  dataArray(ccIndex) = cc.Range.Text
  ccIndex = ccIndex + 1
Next cc
'Update status bar
Application.StatusBar = "Updating log ..."
Dim mylssueLogFullPath As String
mylssueLogFullPath = myDoc.AttachedTemplate.Path & LOGBOOK
Dim excelApp As Excel.Application
Dim dataWB As Excel.Workbook
Dim dataSheet As Excel.Worksheet
Dim logSheet As Excel.Worksheet
'Launch excel application
Set excelApp = New Excel.Application
'Open data workbook
Set dataWB = excelApp.Workbooks.Open(filename:=mylssueLogFullPath)
Set dataSheet = dataWB.Worksheets("data")
'Unprotect the log
dataSheet.Unprotect (MY_PASSWORD)
```

```
'Get dataKey column index
For dataKeyIndexFinder = 1 To dataSheet.UsedRange.Columns.Count
  If (DATAKEY HEADER = dataSheet.Cells(1, dataKeyIndexFinder).Value) Then
  dataKeyIndex = dataKeyIndexFinder
  dataKeyIndexFinder = dataSheet.UsedRange.Columns.Count
  End If
Next
'Get entry row index
If (newEntry) Then
  rowIndex = dataSheet.UsedRange.Rows.Count + 1
  dataArray(0) = rowIndex
Else
  For rowIndexFinder = 2 To dataSheet.UsedRange.Rows.Count
    Application.StatusBar = "Searching through records ... " & rowIndexFinder & " of " & dataSheet.UsedRange.Rows.Count
    If (dataKeyString = dataSheet.Cells(rowIndexFinder, dataKeyIndex).Value) Then
      rowIndex = rowIndexFinder
      rowIndexFinder = dataSheet.UsedRange.Rows.Count
    End If
  Next
End If
'Log the entry
dataSheet.Cells(rowIndex, 1).Value = rowIndex
Dim collndex As Long
For colindex = 1 To DATA ARRAY LENGTH
  Application.StatusBar = "Updating record ... field " & collndex & " of " & DATA ARRAY LENGTH
  dataSheet.Cells(rowIndex, colIndex + 1).Value = dataArray(colIndex)
Next
"Protect the log
dataSheet.Protect (MY PASSWORD)
'Close log
Word.Application.StatusBar = "Saving ... " & mylssueLogFullPath
dataWB.Close SaveChanges:=True
'Release object references
Set logSheet = Nothing
Set dataSheet = Nothing
Set dataWB = Nothing
Set excelApp = Nothing
'Clear status bar
Application.StatusBar = ""
End Sub
Private Sub deleteData()
'Set settings
Application.StatusBar = "Deleting data..."
'temporaryDoc template
```

Dim temporaryDocTemplate As String temporaryDocTemplate = myDoc.AttachedTemplate.FullName Dim temporaryDoc As Document Set temporaryDoc = Documents.Add(temporaryDocTemplate) Dim deleteDoc As String deleteDoc = myDoc.FullName Dim rowIndexFinder As Long Dim rowIndex As Long Dim mylssueLogFullPath As String mylssueLogFullPath = myDoc.AttachedTemplate.Path & LOGBOOK Dim excelApp As Excel.Application Dim dataWB As Excel.Workbook Dim dataSheet As Excel.Worksheet Dim logSheet As Excel.Worksheet 'Launch excel application Set excelApp = New Excel.Application 'Open data workbook Set dataWB = excelApp.Workbooks.Open(filename:=mylssueLogFullPath) Set dataSheet = dataWB.Worksheets("data") 'Unprotect the log dataSheet.Unprotect (MY\_PASSWORD) 'Get dataKey column index For dataKeyIndexFinder = 1 To dataSheet.UsedRange.Columns.Count If (DATAKEY\_HEADER = dataSheet.Cells(1, dataKeyIndexFinder).Value) Then dataKeyIndex = dataKeyIndexFinder dataKeyIndexFinder = dataSheet.UsedRange.Columns.Count End If Next 'Get entry rowIndex For rowIndexFinder = 2 To dataSheet.UsedRange.Rows.Count Application.StatusBar = "Searching through log ... row " & rowIndexFinder & " of " & dataSheet.UsedRange.Rows.Count If (dataKeyString = dataSheet.Cells(rowIndexFinder, dataKeyIndex).Value) Then rowIndex = rowIndexFinder rowIndexFinder = dataSheet.UsedRange.Rows.Count End If Next 'Delete the row dataSheet.Rows(rowIndex).Delete 'Renumber the rowIndex column For rowIndex = 2 To dataSheet.UsedRange.Rows.Count

Application.StatusBar = "Renumbering log ... row " & rowIndex & " of " & dataSheet.UsedRange.Rows.Count

```
dataSheet.Cells(rowIndex, 1).Value = rowIndex
Next
"Protect the log
dataSheet.Protect (MY_PASSWORD)
'Close log
Application.StatusBar = "Saving ... " & mylssueLogFullPath
dataWB.Close SaveChanges:=True
'Release object references
Set logSheet = Nothing
Set dataSheet = Nothing
Set dataWB = Nothing
Set excelApp = Nothing
'Delete word document
myDoc.Close SaveChanges:=False
Kill deleteDoc
'Close temporary document
If (Word.Application.Documents.Count = 1) Then
  Word.Application.Quit SaveChanges:=wdDoNotSaveChanges
Else
  Application.StatusBar = ""
  temporaryDoc.Close SaveChanges:=False
End If
End Sub
'Sub validReqText()
'MsgBox validRequiredText
'End Sub
Private Function validRequiredText() As Boolean
Dim requiredText(2) As String
requiredText(1) = myDoc.SelectContentControlsByTag(REQ1_Tag)(1).Range.Text
requiredText(2) = myDoc.SelectContentControlsByTag(REQ2\_Tag)(1).Range.Text
'If (requiredText(1) = INVALID_REQUIRED_TEXT Or requiredText(2) = INVALID_REQUIRED_TEXT) Then
If (requiredText(1) = INVALID_REQUIRED_TEXT) Then
  validRequiredText = False
Else
  validRequiredText = True
End If
End Function
Private Sub unlockStamps()
'Unlock stamp CCs
ActiveDocument.SelectContentControlsByTag(ccStampComputerID)(1).LockContents = False
ActiveDocument.SelectContentControlsByTag(ccStampUserID)(1).LockContents = False
ActiveDocument.SelectContentControlsByTag(ccStampDatetime)(1).LockContents = False
```

ActiveDocument.SelectContentControlsByTag(ccStampPDF)(1).LockContents = False

**End Sub** 

Private Sub setStamps()

unlockStamps

'Set PDF stamp fields

ActiveDocument.SelectContentControlsByTag(ccStampComputerID)(1).Range.Text = macroComputer ActiveDocument.SelectContentControlsByTag(ccStampUserID)(1).Range.Text = macroUser

ActiveDocument.SelectContentControlsByTag(ccStampDatetime)(1).Range.Text = dateTime

ActiveDocument.SelectContentControlsByTag(ccStampPDF)(1).Range.Text = PDFFILEPATHNAMEEXT

**End Sub** 

Private Sub clearStamps()

'Clear PDF stamp fields

ActiveDocument.SelectContentControlsByTag(ccStampComputerID)(1).Range.Text = STAMP\_PLACEHOLDER\_TEXT ActiveDocument.SelectContentControlsByTag(ccStampUserID)(1).Range.Text = STAMP\_PLACEHOLDER\_TEXT ActiveDocument.SelectContentControlsByTag(ccStampDatetime)(1).Range.Text = STAMP\_PLACEHOLDER\_TEXT ActiveDocument.SelectContentControlsByTag(ccStampPDF)(1).Range.Text = STAMP\_PLACEHOLDER\_TEXT

lockStamps

**End Sub** 

Private Sub lockStamps()

'Lock stamp CCs

 $Active Document. Select Content Controls By Tag(ccStampComputerID) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampUserID) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampPDF) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampPDF) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampPDF) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampPDF) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampPDF) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Contents = True \\ Active Document. Select Content Controls By Tag(ccStampDatetime) (1). Lock Content Content Content Content Controls By Tag(ccStampDatetime) (1). Lock Content Content$ 

**End Sub** 

Private Sub savePDF()

'Set settings

Application.StatusBar = "Saving PDF..."

'PDF filename

PDFFILEPATHNAMEEXT = myDoc.Path & "\PDFs\" & REQ1 & "\_" & dateTime & ".pdf"

'Update document stamps

setStamps

'Set footer datatime stamp

myDoc.SelectContentControlsByTag(datetimestamp)(1).SetPlaceholderText Text:=dateTime

'Save as PDF

```
myDoc.ExportAsFixedFormat
  OutputFileName:=PDFFILEPATHNAMEEXT, _
  ExportFormat:=wdExportFormatPDF, _
  OpenAfterExport:=OPEN PDF
'Clear footer datatime stamp
myDoc. Select Content Controls By Tag(date time stamp) (1). Set Placeholder Text: = STAMP\_PLACEHOLDER\_TEXT
'Update document stamps
clearStamps
Application.StatusBar = ""
End Sub
Private Sub saveButton_Click()
'Set settings
Application.ScreenUpdating = False
'Set objects
Set myDoc = ActiveDocument
Set CCs = myDoc.ContentControls
'Are required fields valid?
If validRequiredText Then
  'Set button enables
  saveButton.Enabled = True
  saveAndCloseButton.Enabled = False
  closeWithoutSavingButton.Enabled = False
  deleteButton.Enabled = False
  'Run subroutines
  getClickDetails
  saveDoc
  savePDF
  saveData
  'Reset button enables
  saveButton.Enabled = True
  saveAndCloseButton.Enabled = True
  closeWithoutSavingButton.Enabled = True
  deleteButton.Enabled = True
  'Save button changes
  ActiveDocument.Save
  'Message user
  MsgBox ("Congratulations, your document has been saved successfully.")
Else
  'Message user
  MsgBox ("An ECO number is required.")
End If
'Reset settings
Application.ScreenUpdating = True
End Sub
```

```
Private Sub saveAndCloseButton_Click()
'Set settings
Application.ScreenUpdating = False
'Set objects
Set myDoc = ActiveDocument
Set CCs = myDoc.ContentControls
If validRequiredText Then
  'Set button enables
  saveButton.Enabled = False
  saveAndCloseButton.Enabled = True
  closeWithoutSavingButton.Enabled = False
  deleteButton.Enabled = False
  'Run subroutines
  getClickDetails
  saveDoc
  savePDF
  saveData
  'Reset button enables
  saveButton.Enabled = True
  saveAndCloseButton.Enabled = True
  closeWithoutSavingButton.Enabled = True
  deleteButton.Enabled = True
  'Close document
  If (Application.Documents.Count = 1) Then
    ActiveDocument.Save
    Application.Quit
    ActiveDocument.Close SaveChanges:=True
  End If
Else
  MsgBox ("An ECO number is required.")
End If
'Reset settings
Application.ScreenUpdating = True
End Sub
Private Sub closeWithoutSavingButton_Click()
'Set settings
Application.ScreenUpdating = False
'Set objects
Set myDoc = ActiveDocument
Set CCs = myDoc.ContentControls
If validRequiredText Then
  'Set button enables
  saveButton.Enabled = False
  saveAndCloseButton.Enabled = False
  closeWithoutSavingButton.Enabled = True
```

```
deleteButton.Enabled = False
  'Run subroutines
  getClickDetails
  savePDF
  If (Application.Documents.Count = 1) Then
    Application.Quit SaveChanges:=wdDoNotSaveChanges
    ActiveDocument.Close SaveChanges:=False
  End If
Else
  MsgBox ("An ECO number is required.")
End If
'Reset settings
Application.ScreenUpdating = True
End Sub
Private Sub deleteButton_Click()
'Set settings
Application.ScreenUpdating = False
'Set objects
Set myDoc = ActiveDocument
Set CCs = myDoc.ContentControls
If validRequiredText Then
  'Set button enables
  saveButton.Enabled = False
  saveAndCloseButton.Enabled = False
  closeWithoutSavingButton.Enabled = False
  deleteButton.Enabled = True
  'Run subroutines
  getClickDetails
  savePDF
  deleteData
Else
  MsgBox ("An ECO number is required.")
End If
End Sub
```

# Simple Traveler System / TRAVELERbase SOFTWARE DESIGN NOTES

ECO #1000 Date Printed: 03Aug2024

4.2. Table 9 – VBA Source Code in Report Form (Word) Template

### 4.3. Table 10 – VBA Source Code in the Analysis (Excel) Workbook

'Nolan Manteufel

'August 2022

'PASSWORD: 9hvmq6KchrZ+V&&j

Dim myWB As Workbook

Dim myWS As Worksheet

Dim dataWB As Workbook

Dim dataWS As Worksheet

Dim dataWorkbookFullPath As String

Dim usedRowCount As Integer

Dim usedColCount As Integer

Private Const DATASHEET\_PASSWORD = "WT\$?@L&x=F5qYfC#"

Private Const RECORD\_DATABOOK = "\data\recorddata.xlsx"

Private Const REPORTS DATABOOK = "\data\reportdata.xlsx"

Private Const HOMESHEET = "overview"

Private Function copySheets(originSheet As Worksheet, destinationSheet As Worksheet) As Boolean

'Clear desitination sheet

destinationSheet.Cells.Clear

'Find the data

usedRowCount = originSheet.UsedRange.Rows.Count

used ColCount = origin Sheet. Used Range. Columns. Count

'Copy data

With originSheet

.Range(.Cells(1, 1), .Cells(usedRowCount, usedColCount)).Copy

End With

'Paste data

destinationSheet.Range("A1").PasteSpecial Paste:=xlPasteValues

**End Function** 

Private Sub refreshData\_Click()

'Save application settings

Dim applicationState(2) As Boolean

applicationState(0) = Application.ScreenUpdating

applicationState(1) = Application.EnableEvents

applicationState(2) = Application.DisplayAlerts

'Set application settings

Application.ScreenUpdating = False

Application.EnableEvents = False

Application.DisplayAlerts = False

'Update data

#### 'CATALOG DATA

'Set data destination sheet

Set myWB = ActiveWorkbook

Set myWS = myWB.Sheets("orders")

'Set data origin sheet

dataWorkbookFullPath = myWB.Path & RECORD\_DATABOOK

Set dataWB = Workbooks.Open(Filename:=dataWorkbookFullPath)

Set dataWS = dataWB.Worksheets("data")

dataWS.Unprotect (DATASHEET PASSWORD)

'Copy data

Dim result As Boolean

result = copySheets(dataWS, myWS)

'Close catalog data workbook and clear objects

dataWB.Close SaveChanges:=False

Set dataWS = Nothing

Set dataWB = Nothing

#### 'INVENTORY DATA

'Set data destination sheet

Set myWS = myWB.Sheets("reports")

'Set data origin sheet

dataWorkbookFullPath = myWB.Path & REPORTS DATABOOK

Set dataWB = Workbooks.Open(Filename:=dataWorkbookFullPath)

Set dataWS = dataWB.Worksheets("data")

dataWS.Unprotect (DATASHEET\_PASSWORD)

'Copy data

result = copySheets(dataWS, myWS)

'Close inventory data workbook and clear objects

dataWB.Close SaveChanges:=False

Set dataWS = Nothing

Set dataWB = Nothing

'Activate original sheet

myWB.Worksheets(HOMESHEET).Activate

'Clear objects

Set myWS = Nothing

Set myWB = Nothing

'Reset application settings

Application.ScreenUpdating = applicationState(0)

Application.EnableEvents = applicationState(1)

Application.DisplayAlerts = applicationState(2)

'Confirmation message

MsgBox "Congratuations, the data updated successfully."

# Simple Traveler System / TRAVELERbase SOFTWARE DESIGN NOTES

ECO #1000 Date Printed: 03Aug2024

End Sub