Identification of Mandatory Objects and Generating a HTML Report

Version 1.0

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1. Purpose of the Document

This document explains the need for identifying the mandatory objects available in a given screen of the application and reporting the same in the form of a HTML report.

1.1. Scope

The following are in scope of this document:

- Flow unpredictability in SAP application.
- Identifying the properties of available objects.
- Generation of External HTML report.

1.2. Overview

The flow of events in a SAP application is unpredictable because of the varying object properties in the application. This brings in the need for identifying the mandatory objects in order to determine the flow of events. The identified mandatory objects are then reported to the user in the form of a customized HTML report.

2. Flow Unpredictability in Applications

The flow of events in a SAP application is governed by the run time properties of the objects available in a window. The properties keep varying with the value available in the object during the run time. Hence more effort is required to predict the flow of the application without identifying the properties of the objects.

3. Identification of Mandatory Objects

A window/page available in the SAP application comprises of multiple objects out of which, few of the objects have a run-time property by name ‘mandatory’. The mandatory object script identifies the objects by checking the run-time property and reports the user in the form of a HTML report.

4. HTML Report Generation

The identified objects are reported to the user in the form of an external HTML report. The report contains all the objects available in the particular window/page of the application. The additional run-time properties of the identified objects are also reported to the user in the report.

4.1. Results Folder Creation

The mandatory object script generates the HTML report in a specific path. If the results folder is already available in the path, the HTML report file will be generated inside the folder. If the results folder does not exist, then the script automatically creates the results folder and then generates the HTML report in the folder.

The default path specified in the script is – "C:\Mandatory Objects"

4.2. Object Properties reported

The list of run-time properties reported by the script in the HTML report are as follows,

Object Type – The class of the object

Object Name – Logical name of the object (as identified by QTP)

Mandatory Flag – True/False/N.A

Data Present in the object.

4.3. Color Differentiation

In the HTML report, various back ground colors have been used in the ‘Mandatory Flag’ column to differentiate the properties of the identified Mandatory objects.

Red – Denotes that no data is entered in the mandatory object.

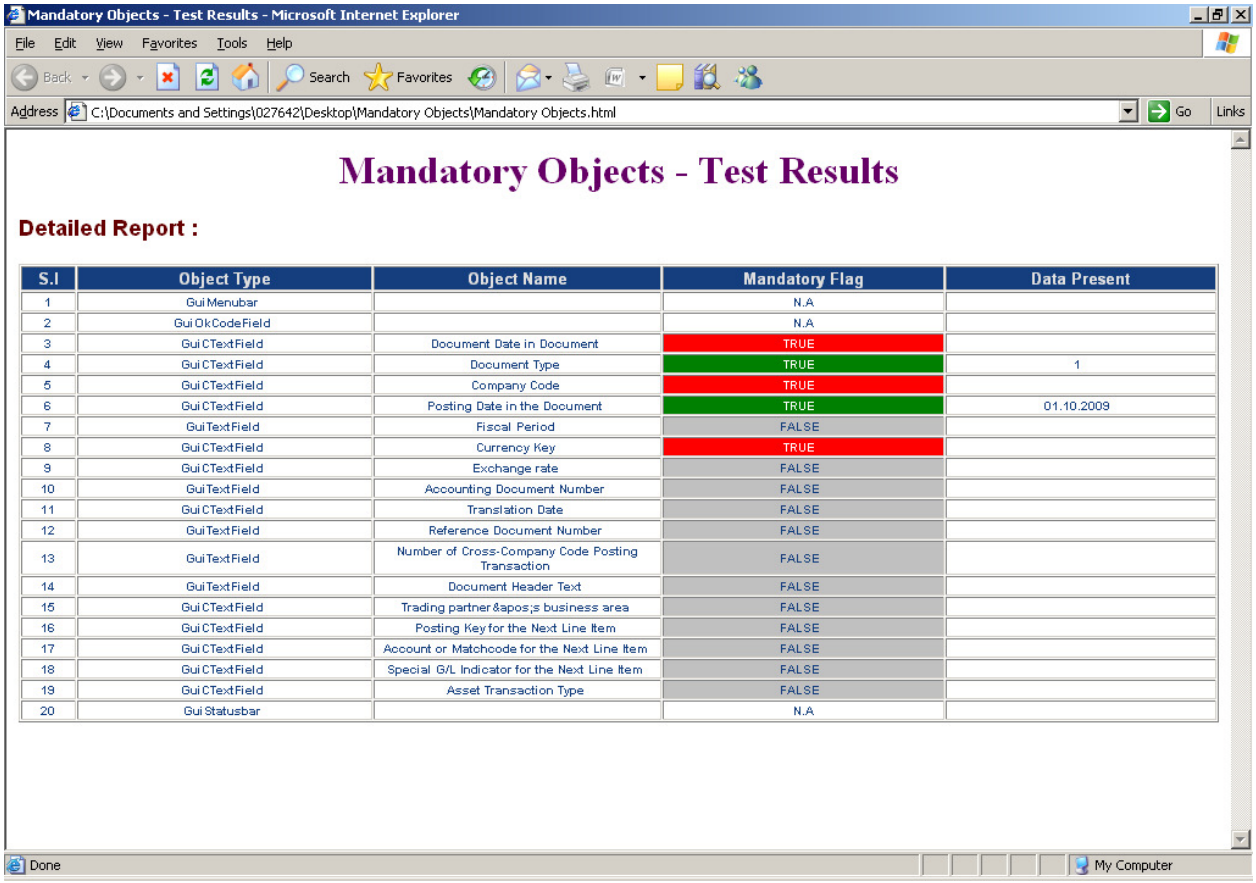
Green– Denotes that data is entered in the mandatory object.

Grey– Denotes that the identified object is not mandatory.

White– Denotes that the identified object does not support mandatory property.

4.4. Sample HTML Report

The sample HTML report contains all the identified objects along with the properties.



Mandatory Objects - Test Results - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address C:\Documents and Settings\027642\Desktop\Mandatory Objects\Mandatory Objects.html

Mandatory Objects - Test Results

Detailed Report :

S.I	Object Type	Object Name	Mandatory Flag	Data Present
1	GuiMenubar		N.A	
2	GuiOkCodeField		N.A	
3	GuiCTextField	Document Date in Document	TRUE	
4	GuiCTextField	Document Type	TRUE	1
5	GuiCTextField	Company Code	TRUE	
6	GuiCTextField	Posting Date in the Document	TRUE	01.10.2009
7	GuiTextField	Fiscal Period	FALSE	
8	GuiCTextField	Currency Key	TRUE	
9	GuiCTextField	Exchange rate	FALSE	
10	GuiTextField	Accounting Document Number	FALSE	
11	GuiCTextField	Translation Date	FALSE	
12	GuiTextField	Reference Document Number	FALSE	
13	GuiTextField	Number of Cross-Company Code Posting Transaction	FALSE	
14	GuiTextField	Document Header Text	FALSE	
15	GuiCTextField	Trading partner's business area	FALSE	
16	GuiCTextField	Posting Key for the Next Line Item	FALSE	
17	GuiCTextField	Account or Matchcode for the Next Line Item	FALSE	
18	GuiCTextField	Special G/L Indicator for the Next Line Item	FALSE	
19	GuiCTextField	Asset Transaction Type	FALSE	
20	GuiStatusbar		N.A	

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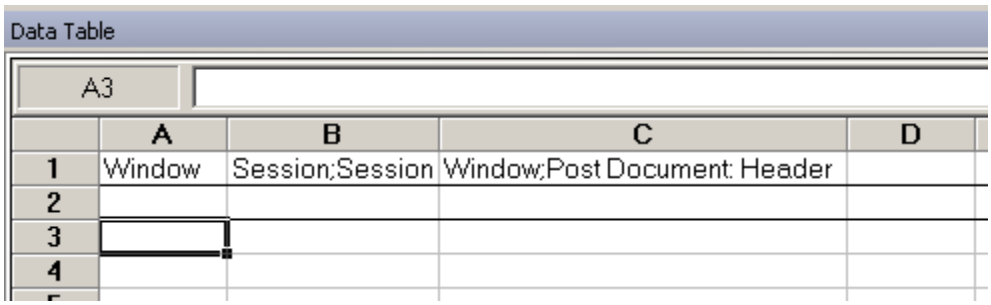
5. Input Format to be used in Script

As the script is being created to support Windows (GUI) based and Web based SAP applications, the following format has to be followed in the Data Table.

i. Windows(GUI) Based



ii. Web Based