



Identification of Mandatory Objects and Generating a HTML Report

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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.

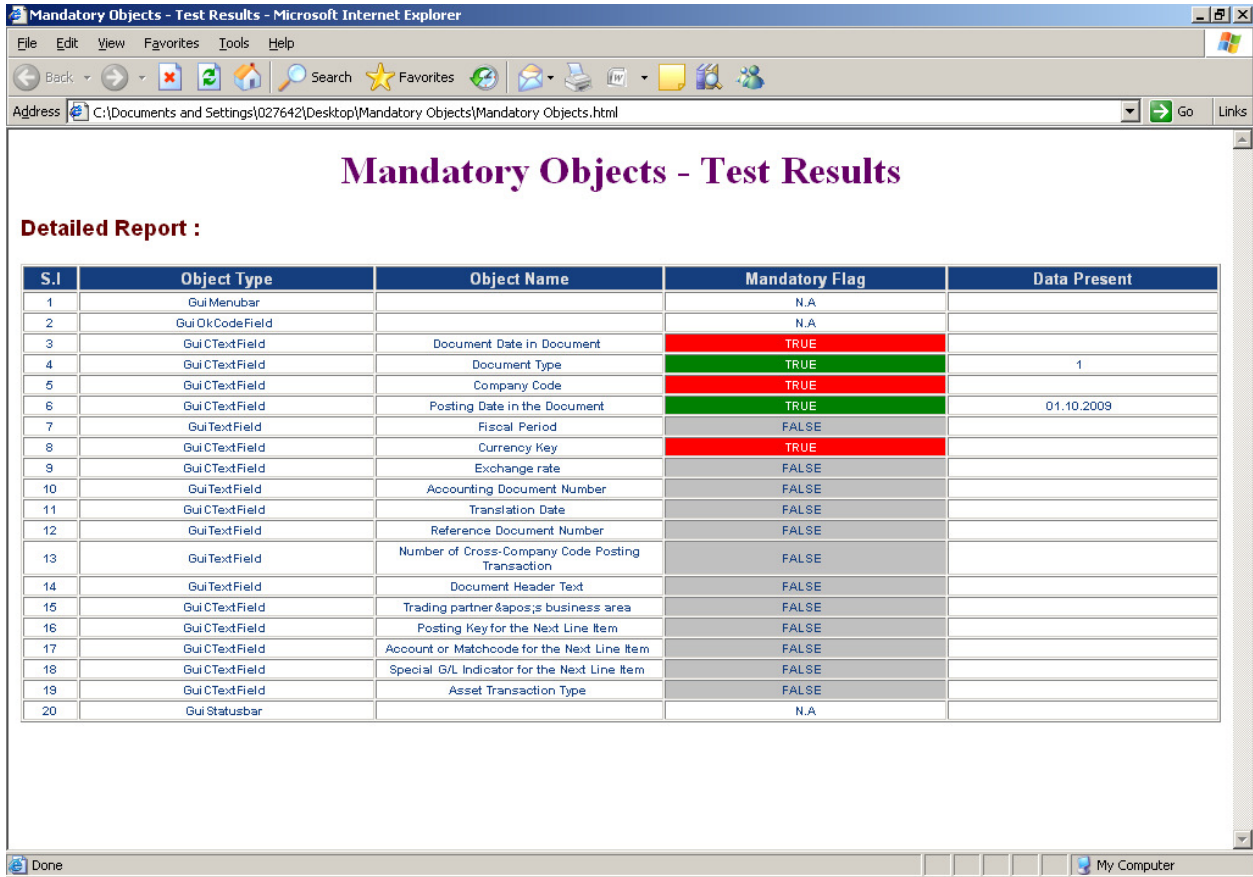
Green- Denotes that data is entered in the mandatory object.

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.



The screenshot shows a browser window with the title 'Mandatory Objects - Test Results - Microsoft Internet Explorer'. The address bar shows the file path: 'C:\Documents and Settings\027642\Desktop\Mandatory Objects\Mandatory Objects.html'. The main content area displays the report title and a table of detailed test results.

Mandatory Objects - Test Results

Detailed Report :

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

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

Data Table				
A3				
	A	B	C	D
1	Window	Session;Session	Window;Post Document: Header	
2				
3				
4				

ii. Web Based

Data Table				
A1		Web		
	A	B	C	D
1	Web	Browser;BrowserName	Page;PageName	Frame;FrameName
2				

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