TaRGeT Use Case Document

DOCUMENT CONTROL NUMBER: ZBR05-DES-06-4185

Version: 01.08

Date: 14-Jul-2009

FILENAME: ZBR05-DES-06-4185.doc

DOCUMENT LOCATION:
https://svn.cin.ufpe.br/svn/cin_motorola/Docs/All/TaRGeT/Documentation

ABSTRACT: The purpose of this document is to present the scenarios that may be performed by the TaRGeT's users.

KEYWORDS: use cases, TaRGeT, model-based test generation tool

Erro! Fonte de referência não encontrada.

Sign-off Sheet

Name	Title	Signature	Date
Augusto Sampaio	CIn/BTC Sponsor		
Paulo Borba	Research Coordinator		

Revision History

Template Information :

Document Control Number	:	IL93-STD-00-0000
Version	:	02.00
Date	:	16-Aug-2002

Revision History:

Revision #	Date	Author	Description
01.00-D01	21-Nov-2006	Dante Torres and Emanuela Gadelha (wdt022 and weg016)	Initial draft.
01.00-D02	07-Dec-2006	Dante Torres (wdt022)	Rework after inspection LX120108.
01.00	12-Dec-2006	Sidney Nogueira (wsn013)	Moderator approval.
01.01-D01	29-Dec-2006	Dante Torres (wdt022)	Changes after the implementation phase. Key assist and Use case modification inside the TaRGeT GUI were removed.
01.01-D02	30-Jan-2007	Dante Torres (wdt022)	Rework after inspection LX139622.
01.02	30-Jan-2007	Sidney Nogueira (wsn013)	Moderator approval.
01.03-D01	23-Feb-2007	Sidney Nogueira (wsn013)	Changes described in LIBll29650: • UC_25, removed the citation to a progress bar showed after closing an existent project; • UC_110, updated the generate button to finish button;
01.03	23-Fev-2007	Dante Torres (wdt022)	Moderator approval (inspection LX147427).
01.04-D01	19-Apr-2007	Luiz Josué (dhq348)	Changes described in LIBll66154: • Changed text in UC_05 and UC_20 • All use cases that refer to test generation were updated • The error message specified in UC_01 was changed • An alternative flow of UC_110 was deleted • UC_01 was associated with requirement ER_TARGET_0015 • Periods in UC_05 and UC_95 were corrected

01.04-D02	27-Apr-2007	Luiz Josué (dhq348)	Rework after mini inspection LX168608.
01.04	27-Apr-2007	Sidney Nogueira (wsn013)	Moderator approval (inspection LX168608).
01.05-D01	24-Aug-2007	Laísa Nascimento (wln013)	Changes: • All use cases identifiers were updated • Inclusion of UC_61 • Inclusion of UC_71 • Inclusion of UC_106 • Inclusion of UC_107 • Inclusion of UC_115 • Modification of UC_70 • UC_110 was associated with requirement FR_TARGET_0180
01.05-D02	28-Aug-2007	Laísa Nascimento (wln013)	Rework after inspection LX202124.
01.05	29-Aug-2007	Dante Torres (wdt022)	Moderator approval (inspection LX202124)
01.06-D01	15-Feb-2008	Dante Torres (wdt022)	Changes: • The "Generating Test Suites" and "Other" use cases had their ids updated. • Inclusion of UC_31 • Inclusion of UC_36 • Inclusion of UC_56 • Inclusion of UC_61 • Inclusion of UC_72 • Inclusion of UC_120 • Inclusion of UC_125 • Inclusion of UC_130 • Modification of UC_110 Some other use cases had few modifications.
01.06-D02	19-Feb-2008	Dante Torres (wdt022)	Rework after inspection LX244324.
01.06	26-Feb-2008	Laísa Nascimento (wln013)	Moderator approval (inspection LX244324)
01.07	01-Nov-2008	Érica Hori (hrmg38)/Caliane Figuerêdo	Changes: • All use cases related to "Interruption" were deleted. • The use cases UC_120, UC_125 were deleted. • The use cases UC_26, UC_111, UC_112, UC_116, UC_117, UC_118, UC_119, UC_121, UC_122, UC_123, UC_124, UC_126, UC_130 were added. • The use cases UC_80, UC_110, UC_115 were changed.

			• Inclusion flows related the shortcut in the use cases UC_05, UC_15, UC_20, UC_26, UC_30, UC_106.
01.08.D01	14-jul-09	Érica Hori	Update 2.4 and 2.5 sections.
01.08.D02	14-jul-09	Michelle Silva	Update 2.1, 2.2, 2.3 and 2.7 sections.
01.08.D04	14-jul-09	Laís Neves	Inclusion of Consistency Management use cases.
01.08.D05	20-jul-09	Érica Hori	Final revision.
01.09.D01	26-jan-2010	Laís Neves	Inclusion of Controlled Natural Language and Use Case Editor use cases.
01.09.D02	27-jan-2010	Felype Ferreira	Revision of CNL use cases.
01.09.D03	1-feb-2010	Laís Neves	Inclusion of advices to manage variations in use cases. Inclusion of use cases UC_145, UC_146, UC_147, UC_148, UC_149.

Contents

1. Introduction

1.1 Purpose

The purpose of this document is to present the scenarios that may be performed by the TaRGeT's users. This documentation is following the use case template standard defined in [2]. It will be used as input to the TaRGeT in order to automatically generate test cases.

1.2 Target Audience

This document is intended to be used by the BTC Research Project developers who are working on or are related to the TaRGeT development. However, the document may be useful to TaRGeT users.

1.3 Abbreviations, Acronyms and Definitions

See reference [1].

TaRGeT – Test and Requirements Generation Tool

BTC – Brazil Test Center

PM – Project Manager

UI – User Interface

RTM – Requirements Traceability Matrix

1.4 References

[1] Abbreviations, Acronyms and Definitions, IL93-STD-00-0026

[2] Formal Specification Generation from Requirement Documents, https://compass.motorola.com/cgi/doc/198140622/Formal_Specification_Generation_from_Requirement_Documents.pdf

[3] TaRGeT Software Requirements Document, https://svn.cin.ufpe.br/svn/cin_motorola/Docs/All/TaRGeT/Documentation/ZBR05-REQ-06-4021.doc, Ver. 1.10

1.5 Problem Reporting Instructions

Problems and corrections to this document should be reported to Michelle Silva (mcms@cin.ufpe.br), Laís Neves (lmn3@cin.ufpe.br) or Paulo Borba (phmb@cin.ufpe.br).

2. Use Cases

This section describes the TaRGeT use cases. The use cases were grouped to make easier the identification and reading. The use cases groups are:

- Initializing TaRGeT – describes the scenario in which the TaRGeT is started up;

- Managing Projects – these use cases describe scenarios in which TaRGeT projects are created, opened and closed.

- Managing Documentation – scenario that treats the management of documentation artifacts. It includes importing use cases documents to the TaRGeT project, viewing the documentation and updating it.

- Generating Test Suites – describes all scenarios related to test and RTM generation.

- Others – this group includes use cases about the Help window and the About window.

Consider that some graphical interface details (icons, images, etc.) will not be covered here. Further information about interface details should be verified in [3].

2.1 Initializing TaRGeT

This section presents the use case Opening TaRGeT.

2.1.1 UC_01 – Opening TaRGeT

It describes how the TaRGeT should behave when it is started up.

Setup: [setup]

Main Flow

SC_01
Description: Start up the TaRGeT with .NET and Java runtime environment installed.
From Step: START
To Step: END

> **[l1] Comentário:** .NET é válido apenas quando o sistema operacional é Windows.

Step Id	User Action	System State	System Response
1M	Start the TaRGeT.	The .NET and Java runtime environment are installed in the machine (see requirements for further information about Java and .NET versions) [ER_TARGET_0020, ER_TARGET_0025]	A splash screen is displayed. Verify the requirements document to check the splash screen. [FR_TARGET_0220]
2M	Wait some seconds.	[condition]	The TaRGeT is started. No TaRGeT project is opened. A background image is displayed (see requirements document for more details). [FR_TARGET_0225]

> **[I2] Comentário:** Detalhar de acordo com branding

Exception Flows

> **[I3] Comentário:** Esse fluxo é válido apenas quando o sistema operacional é Windows.

SC_02

Description: Start up the TaRGeT when .NET runtime environment is not installed in the machine.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1A	Try to start the TaRGeT.	Java runtime environment is installed in the machine. The .NET runtime environment is not installed in the machine (see requirements for further information about Java and .NET versions). [ER_TARGET_0020, ER_TARGET_0025]	A message is displayed informing that an error has occurred and asking the user to see the log file. [FR_TARGET_0230]

SC_03

Description: Start up the TaRGeT when Java runtime environment is not installed in the machine.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1B	Try to start the TaRGeT.	The Java runtime environment is not installed in the machine (see requirements for further information about Java version). [ER_TARGET_0020]	A message is displayed informing that no JRE is installed. The TaRGeT is not started up. [FR_TARGET_0230]

2.2 Managing Projects

This section presents the use cases related to the management of a TaRGeT project.

2.2.1 UC_05 – Creating a Project from Blank Work Area

Create a TaRGeT project.

Setup: [setup]

Main Flow

SC_01

Description: Create a new project.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "File" option in the menu bar.	The TaRGeT is already started up. No project is opened.	The "New Project" option is enabled in the drop down menu. The Close Project option is disabled.
2M	Select the "New Project" option. [FR_TARGET_0020]	[condition]	The "New Project" screen is displayed. The default project name is displayed in the "Project Name" field. The default project location is displayed in the "Destination Folder" field.

3M	Click on "Finish" button.	[condition]	A progress bar is displayed. A new project work area is displayed. The project folder is created in the specified location. [FR_TARGET_0110, FR_TARGET_0010]

Alternative Flows

SC_02

Description: Type a valid project name.

From Step: 2M
To Step: 3M

Step Id	User Action	System State	System Response
1A	Type a valid project name.	[condition]	The "Project Name" field is filled. [FR_TARGET_0025]

SC_03

Description: Cancel the project creation.
From Step: 2M, 1A, 1C
To Step: END

Step Id	User Action	System State	System Response
1B	Click on the "Cancel" button.	[condition]	The tool goes back to the window it was before the project creation.

SC_04

Description: Browse destination folder.
From Step: 2M, 1A
To Step: 3M

Step Id	User Action	System State	System Response
1C	Browse and select the location in which the project shall be created.	[condition]	The "Destination Folder" field is filled.

SC_05

Description: Create the project using shortcut.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1H	Press CTRL+N.	[condition]	The "New Project" screen is displayed. The default project name is displayed in the "Project Name" field. The default project location is displayed in the "Destination Folder" field. [FR_TARGET_0020]
2H	Click on "Finish" button.	[condition]	A progress bar is displayed. A new project work area is displayed. The project folder is created in the specified location. [FR_TARGET_0110, FR_TARGET_0010]

Exception Flows

SC_06

Description: Type an invalid project name.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Type an invalid project name (e.g. with one of the following characters ":\/<>?*).	[condition]	A message is displayed indicating that some characters are not allowed. The "Finish" button is disabled. [FR_TARGET_0025]

SC_07

Description: No project name is typed.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1E	Type a blank project name. [FR_TARGET_0025]	[condition]	A message is displayed indicating that a name must be specified. The "Finish" button is disabled.

SC_08

Description: Project directory already exists.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1F	Type a valid project name. [FR_TARGET_0025]	[condition]	The "Project Name" field is filled.
2F	Browse and select the location in which there is a directory with the same name of the project.	[condition]	The "Destination Folder" field is filled.
3F	Click on "Finish" button.	[condition]	A dialog is displayed indicating that the project folder already exists. The dialog asks if the user you want to proceed and erase all content of the folder. [FR_TARGET_0020]
4F	Click on "Yes" button.	[condition]	All the folder contents is deleted and the new project is created.

SC_09

Description: Do not delete all folder contents.
From Step: 3F
To Step: END

Step Id	User Action	System State	System Response
1G	Click on "No" button.	[condition]	The focus goes back to the "New Project" window.

2.2.2 <u>UC_10 – Creating a Project from an Already Opened Project</u>

A project is already opened.

Setup: [setup]

Main Flow

SC_01

Description: A project is already opened.
From Step: START
To Step: UC_05#3M, UC_05#1A, UC_05#1B, UC_05#1C, UC_05#1D, UC_05#1E, UC_05#1F

Step Id	User Action	System State	System Response
1M	Go to "File" option in the menu bar.	The TaRGeT is already started up. A project is already opened.	The "New Project" option is enabled in the drop down menu.
2M	Select the "New Project" option. [FR_TARGET_0020]	[condition]	A dialog box is displayed informing that the current project will be closed in order to create a new one.
3M	Click on "Yes" button.	[condition]	The current project is closed. The "New Project" screen is displayed. The default project name is displayed in the "Project Name" field. The default project location is displayed in the "Destination Folder" field.

Alternative Flow

SC_02

Description: Cancel the project creation.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response

1A	Click on "No" button.	[condition]	The popup is closed and the tool goes back to the main window with the previous project opened.

2.2.3 UC_15 – Closing a Project

Close a project.

Setup: [setup]

Main Flow

SC_01

Description: Close a project.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "File" option in the menu bar.	TaRGeT is started up and a project is already opened.	The "Close Project" option is enabled.
2M	Select the "Close Project" option. [FR_TARGET_0035]	[condition]	A message is displayed asking if the user really wants to close the project.
3M	Click on "Yes" button.	[condition]	The project is closed. The blank project area is displayed. The background image is shown. [FR_TARGET_0225]

Alternative Flows

SC_02

Description: Cancel the project closing.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response

| 1A | Click on "No" button. | [condition] | The popup is closed and the tool goes back to the main window. |

SC_03

Description: Resign Close a project using shortcut.
From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1B	Press CTRL+W.	[condition]	A message is displayed asking if the user really wants to close the project. [FR_TARGET_0035]

2.2.4 UC_20 – Opening an Existing Project from Blank Work Area

Open an existing project.

Setup: [setup]

Main Flow

SC_01

Description: Open an existing project.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "File" option in the menu bar.	TaRGeT is already started up. No project is opened.	The "Open Project" option is enabled.
2M	Select the "Open Project" option. [FR_TARGET_0040]	[condition]	The "Open Project" window is displayed. No project is selected. The "Finish" button is disabled.
3M	Browse and select an existing project.	[condition]	The "Project Name" field is now filled. The "Finish" button is enabled.

4M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the selected existing project is being opened. After, the existing project is opened. The project work area is displayed. [FR_TARGET_0110]

Alternative Flows

SC_02

Description: Cancel the project opening.
From Step: 2M, 3M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "Cancel" button.	[condition]	The tool goes to the blank work area. No project is opened. [FR_TARGET_0225]

SC_03

Description: Open using shortcut.
From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1B	Press CTRL+O.	[condition]	The "Open Project" window is displayed. No project is selected. The "Finish" button is disabled. [FR_TARGET_0040]

2.2.5 UC_25 – Opening an Existing Project from an Already Opened Project

A project is already opened.

Setup: [setup]

Main Flow

SC_01

Description: Open an existing project from an already opened project.
From Step: START
To Step: UC_20#3M

Step Id	User Action	System State	System Response
1M	Go to "File" option in the menu bar.	TaRGeT is already started up. A project is already opened.	The "Open Project" option is enabled.
2M	Select the "Open Project" option. [FR_TARGET_0040]	[condition]	A dialog box is displayed informing that the current project will be closed in order to open another one.
3M	Click on "Yes" button.	[condition]	The "Open Project" screen is displayed.

Alternative Flow

SC_02

Description: Cancel the project opening.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "No" button.	[condition]	The dialog box is closed and the current project work area is displayed.

2.2.6 UC_26 – Refreshing a Project

Refresh a project.

Setup: [setup]

Main Flow

SC_01

Description: Refresh a project.
From Step: START
To Step: UC_90#1M

Step Id	User Action	System State	System Response

1M	Go to "Project" option in the menu bar.	[condition]	A menu with two options shall appear: "Refresh Automatically" and "Refresh Project". "Refresh Automatically" option is checked. [FR_TARGET_0015]

Alternative Flow

SC_02

Description: "Refresh automatically" option disabled.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Click in "Refresh Automatically" option.	TaRGeT is already started up. A project is already opened.	"Refresh Automatically" option is not checked.
2A	Open an already imported Use Case Document with the Microsoft Word (outside the TaRGeT).	There is at least one imported Use Case Document. [FR_TARGET_0100]	The document is opened in the default viewer outside the TaRGeT.
3A	Modify any field in Use Case Document and save the document.	[condition]	The document is modified.
4A	Go back to TaRGeT work area.	[condition]	The project is not refreshed.
5A	Go to "Project" in the menu bar and select "Refresh project" option.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]

[I4] Comentário: Se tiver CNL, ela também será atualizada.

SC_03

Description: "Refresh automatically" option enabled.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response

1B	Go to "Project" in the menu bar and select "Refresh project" option.	[condition]	The project is refreshed. [FR_TARGET_0015]

SC_04

Description: Using the Refresh shortcut.
From Step: 3A
To Step: END

Step Id	User Action	System State	System Response
1C	Press CTRL+R.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]

> **[I5] Comentário:** Se tiver CNL, ela também será atualizada.

2.3 Managing Documentation

This section presents the use cases related to documentation management. They describe how the documents are imported, viewed, renamed, deleted and updated.

2.3.1 UC_30 – Importing Valid Use Case Documents

Import Use Case Documents.

Setup: [setup]

Main Flow

SC_01
Description: Import Use Case Documents.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "Artifacts" option in the menu bar.	TaRGeT is started up. A project is already opened.	The "Import Use Case Documents" option is enabled.

2M	Select "Import Use Case Documents" option. [FR_TARGET_0100]	[condition]	The "Import Documents" window is displayed. The "Finish" button is disabled.
3M	Select "Add Document" button and browse a valid Use Case Document.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
4M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]
5M	Wait the progress bar.	[condition]	The imported document(s) is (are) placed in a specific folder and displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. [FR_TARGET_0010, FR_TARGET_0015]

> **[I7] Comentário:** Apenas documento dos formatos de entrada habilitasdos sao mostrado (associar a feature de input).

> **[I6] Comentário:** ADV01_1

> **[I8] Comentário:** ADV01_2

Alternative Flows

SC_02

Description: Import another document.
From Step: 3M
To Step: 4M

Step Id	User Action	System State	System Response
1A	Select "Add Document" button and browse another valid Use Case Document. The document must not have duplicated feature ids, when compared with the already browsed document.	Another document has to be inserted on the "Documents To Import" list.	The selected document path is inserted in the "Documents To Import" list.

SC_03

Description: Cancel the importing.
From Step: 2M, 3M
To Step: END

Step Id	User Action	System State	System Response
1B	Click on "Cancel" button.	[condition]	The focus goes back to the project work area.

SC_04

Description: Import through shortcut.
From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1C	Press CTRL+I.	[condition]	The "Import Documents" window is displayed. The "Finish" button is disabled.

2.3.2 ASP01 – Select input use case document

In the "Import Document" window, displays use case documents to be imported.

ADV01_1

Description: Select use case document file type.
Type: AFTER
Pointcut: UC_30#3M

[I9] Comentário: Valido apenas se mais de uma feature de input estiverem selecionadas.

Step Id	User Action	System State	System Response
1R	Select the file type of the use case document.	–	Only files in the format of the selected file type are displayed.

[I10] Comentário: valido apenas se as features de UC editor e Word input estiverem selecionadas.

ADV01_2

Description: Describes the behavior when the user imports a use case document in MS Word format and the Use Case Editor is present.
Type: AFTER
Pointcut: UC_30#5M

Step Id	User Action	System State	System Response
1R	–	–	The use case documents that were in MS Word format were transformed into XML files.

2.3.3 UC_35 – Importing a Use Case Document With Duplicated Feature ID

Use Case Document has duplicated feature ID.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has duplicated feature ID.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a Use Case Document with duplicated feature ID. This means that the document contains at least two features with the same ID.	There is no imported document.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]

[I11] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

| 3M | Wait the progress bar. | [condition] | An error dialog is displayed indicating that the document that has duplicated feature id [FR_TARGET_0125] |
| 4M | Click on "OK" button. | [condition] | The selected document(s) will not be imported. The focus goes back to "Import Documents" window. |

2.3.4 UC_40 – Importing a Use Case Document With Duplicated Use Case ID

Use Case Document has duplicated use case ID.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has duplicated use case ID.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a Use Case Document with duplicated use case ID. This means that the document contains a feature that has at least two use cases with the same ID.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has duplicated use case ID. [FR_TARGET_0125]

> **[I12] Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

4M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

2.3.5 UC_45 – Importing a Use Case Document With Invalid Structure

Use Case Document has invalid structure.

Setup: [setup]

Main Flow

SC_01

Description: Imported Use Case Document has an invalid structure.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a Use Case Document with invalid structure.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has an error. [FR_TARGET_0125]
4M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

> **[I13] Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

Alternative Flows

SC_02

Description: Import another document.

From Step: 1M
To Step: 2M

Step Id	User Action	System State	System Response
1A	Click on "Add Document" button and browse another valid Use Case Document.	Another document has to be imported.	The selected document path is inserted in the "Documents To Import" list.

> **[I14] Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

SC_03

Description: Cancel the importing.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1B	Click on "Cancel" button.	[condition]	The focus goes back to the project work area.

2.3.6 UC_50 – Importing a Use Case Document with an Empty Mandatory Field

Use Case Document has an empty mandatory field.

Setup: [setup]

Main Flow

SC_01

Description: Selected Use Case Document has an empty mandatory field.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a Use Case Document with an empty mandatory field.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.

> **[I15] Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

2M	Click on "Finish" button.	[condition]	An error dialog is displayed indicating that the document has an error in the xml structure. [FR_TARGET_0125]
3M	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

2.3.7 UC_55 – Importing a Use Case Document With Invalid Step ID References

Use Case Document has invalid id references.

Setup: [setup]

Main Flow

SC_01

Description: The selected Use Case Document contains invalid id references.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a Use Case Document with invalid ID references.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	A warning message is displayed indicating that the document contains errors.

[I16] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

4M	Click on "OK" button.	[condition]	The imported document is placed in the documents folder and is displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. A special icon indicates the use cases with invalid references. Also the error view displays details about invalid id references and/or duplicated ids. [FR_TARGET_0010, FR_TARGET_0120]

Alternative Flows

SC_02

Description: Import another valid document.
From Step: 1M
To Step: 2M

Step Id	User Action	System State	System Response
1A	Select "Add Document" button and browse another valid Use Case Document.	Another document has to be imported.	The selected document path is inserted in the "Documents To Import" list.

[I17] **Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

2.3.8 UC_60 – Importing a Use Case Document With Duplicated Step IDs

Use Case Document has duplicated Step IDs.

Setup: [setup]

Main Flow

SC_01

Description: The selected Use Case Document contains duplicated Step Ids.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response

1M	Select "Browser" button and browse a Use Case Document with duplicated step ids. The document contains at least two steps in a use case with the same ID.	No document is imported.	The selected document path is inserted in the "Documents To Import" list. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	A warning message is displayed indicating that the document contains errors.
4M	Click on "OK" button.	[condition]	The imported document is placed in the documents folder and is displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. A special icon indicates the use cases with invalid references. Also the error view displays details about invalid id references and/or duplicated ids. [FR_TARGET_0010, FR_TARGET_0120]

[I18] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

Alternative Flows

SC_02

Description: Select another document (valid).
From Step: 1M
To Step: 2M

Step Id	User Action	System State	System Response
1A	Select "Add Document" button and browse another valid Use Case Document.		The selected document path is inserted in the "Documents To Import" list.

[I19] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

2.3.9 UC_63 – Importing a Use Case Document with a Feature Already Imported.

The documents have at least one feature with same name and ID. Another Use Case Document is already imported.

Setup: [setup]

Main Flow

SC_01

Description: A Use Case Document is already imported. The Use Case Documents have at least one common feature with same ID and name.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select "Add Document" button and browse a valid Use Case Document. The document and the already imported document have at least one common feature with same ID and name and the use cases IDs are different.	There is at least one valid document imported in the project.	The "Import Documents" window is displayed. The "Finish" button is enabled.
2M	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]
3M	Wait the progress bar.	[condition]	The imported document is placed in a specific folder and displayed in the "Artifacts" view. The imported use cases are displayed in the "Use Cases" view. The feature icon in the "Use Cases" view shows that the feature was merged. [FR_TARGET_0010, FR_TARGET_0100]

[I20] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

Alternative Flows

SC_02

Description: A Use Case Document is already imported. The Use Case Documents have at least one common feature with same ID and different names.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1A	Select "Add Document" button and browse a valid Use Case Document. The document and the already imported document have at least one common feature with same ID but different names and the use cases IDs are different.	There is at least one valid document imported in the project.	The "Import Documents" window is displayed. The "Finish" button is enabled.
2A	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document(s) is (are) being processed and imported. [FR_TARGET_0110]
3A	Wait the progress bar.	[condition]	The imported document is placed in a specific folder and displayed in the "Artifacts" View. The imported use cases are displayed in the "Use Cases" View. The feature icon in the "Use Cases" view shows that the feature was merged. A new warning is displayed in the "Error" view indicating that the features have same ID but different names. [FR_TARGET_0010, FR_TARGET_0100, FR_TARGET_0120]

[I21] Comentário: Apenas documentos nos formatos das features de input selecionadas são mostrados.

SC_03

Description: The document contains a feature with same ID of another feature that belongs to a previously imported document.
From Step: UC_30#2M
To Step: END

Step Id	User Action	System State	System Response
1B	Select "Add Document" button and browse a valid Use Case Document. The document and the already imported document have at least one common feature with same ID. The features have at least one use case with same ID.	There is at least one valid imported document.	The selected document path is inserted in the "Documents To Import" list.
2B	Click on "Finish" button.	[condition]	A progress bar is displayed indicating that the document is being processed. [FR_TARGET_0110]
3B	Wait the progress bar.	[condition]	An error dialog is displayed indicating the document that has an error. [FR_TARGET_0125]
4B	Click on "OK" button.	[condition]	The selected document(s) will not be imported. The focus goes back to "Import Documents" window.

> [I22] **Comentário:** Apenas documentos nos formatos das features de input selecionadas são mostrados.

> [I23] **Comentário:** UC é válido apenas quando a feature de Word Input está selecionada.

2.3.10 UC_65 – Viewing Use Case Documents with Microsoft Word

Viewing Use Case Documents with Microsoft Word.

Setup: [setup]

Main Flow

SC_01

Description: Double-click on the document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one MS Word imported document.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]

2.3.11 UC_165 – Viewing Use Case Documents in XML Format

Viewing Use Case Documents in XML format with default program in the Operational System.

Setup: [setup]

Main Flow

SC_01

Description: Double-click on the document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one XML imported document.	The Operational System´s default program to open XML files is invoked and the document is opened. [FR_TARGET_0005]

2.3.12 UC_166 – Viewing Use Case Documents in Microsoft Excel Format

Viewing Use Case Documents in XLS format with Microsoft Excel.

Setup: [setup]

Main Flow

SC_01

> **[I24] Comentário:** UC é válido apenas quando a feature de XML Input está selecionada.

> **[I25] Comentário:** UC é válido apenas quando a feature de XLS STD Input está selecionada.

Description: Double-click on the document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one MS Excel imported document.	The Microsoft Excel is invoked and the document is opened. [FR_TARGET_0005]

2.3.13 UC_70 – Viewing Valid Use Case in HTML Format

Viewing Use Case Documents in HTML format.

Setup: [setup]

Main Flow

SC_01

Description: View valid Use Case Documents in HTML format in the main panel, by double-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a use case in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported valid Use Case Document.	The selected Use Case is displayed in HTML format in the main panel. [FR_TARGET_0130]

Alternative Flows

SC_02

Description: View Use Case Documents in HTML format in the main panel, by right-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1A	Right-click on a use case in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported valid Use Case Document.	A drop down menu is displayed with two options.
2A	Select "Open in default view" option.	[condition]	The selected Use Case is displayed in HTML format in the main panel. [FR_TARGET_0130]

SC_03

Description: View Use Case Documents in HTML format in the default browser, by right-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1B	Right-click on a use case in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported valid Use Case Document.	A drop down menu is displayed with two options.
2B	Select "Open with default browser" option.	[condition]	The selected Use Case is displayed in HTML format in the default browser. [FR_TARGET_0130]

2.3.14 UC_71 – Viewing Invalid Use Case in HTML Format

Viewing Use Case Documents in HTML format when they have some error.

Setup: [setup]

Main Flow

SC_01

Description: View Use Case Documents with duplicated step ID in HTML format in the main panel, by double-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1M	Double–click on a use case with duplicated step ID in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported use case with duplicated step ID.	The selected Use Case is displayed in HTML format in the main panel. The duplicated steps IDs are highlighted. [FR_TARGET_0130]

Alternative Flows

SC_02

Description: View Use Case Documents with invalid step ID reference in HTML format in the main panel, by right-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1A	Right–click on a use case with invalid step ID reference in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported use case with invalid step ID reference.	A drop down menu is displayed with two options.
2A	Select "Open in default view" option.	[condition]	The selected Use Case is displayed in HTML format in the main panel. The invalid step ID reference is highlighted. [FR_TARGET_0130]

SC_03

Description: View Use Case Documents with invalid step ID reference in HTML format in the default browser, by right-clicking the use case.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1B	Right–click on a use case with invalid step ID reference in the "Use Cases" view.	A project is opened in TaRGeT. The project has at least one imported use case with invalid step ID reference.	A drop down menu is displayed with two options.

2B	Select "Open with default browser" option.	[condition]	The selected Use Case is displayed in HTML format in the default browser. The invalid step ID reference is highlighted. [FR_TARGET_0130]

2.3.15 UC_75 – Viewing a Generated Test Suite with Microsoft Excel

Viewing Test Suite Documents in TaRGeT with Microsoft Excel.

Setup: [setup]

Main Flow

SC_01

Description: View Test Suite Document by double-clicking.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite in MS Excel format.	The Microsoft Excel is invoked and the document is opened. The Test Cases and Traceability Matrixes appear in the document.[FR_TARGET_0005, FR_TARGET 0243, FR_TARGET 0175, FR_TARGET 0240,]

2.3.16 UC_167 – Viewing a Generated Test Suite in XML Format

Viewing Test Suite Documents in XML format with default program in the Operational System.

Setup: [setup]

Main Flow

SC_01

Description: View Test Suite Document by double-clicking.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite in XML format.	The Operational System's default program to open XML files is invoked and the document is opened. The Test Cases and Traceability Matrixes appear in the document.[FR_TARGET_0 005, FR_TARGET 0243, FR_TARGET 0175, FR_TARGET 0240,]

2.3.17 UC_168 – Viewing a Generated Test Suite in HTML Format

Viewing Test Suite Documents in HTML format with default browser in the Operational System.

Setup: [setup]

Main Flow

SC_01

Description: View Test Suite Document by double-clicking.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite in HTML format.	The Operational System's default browser to open HTML files is invoked and the document is opened. The Test Cases and Traceability Matrixes appear in the document.[FR_TARGET_0 005, FR_TARGET 0243, FR_TARGET 0175, FR_TARGET 0240,]

> **[I28] Comentário:** UC valido apenas quando saídas no formato HTML selecionadas.

2.3.18 UC_80 – Renaming a Document

Renaming Use Case or Test Suite Documents in TaRGeT.

Setup: [setup]

Main Flow

SC_01

Description: Rename a test suite document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Right–click on a generated test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite.	A drop down menu is displayed.
2M	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3M	Change the document name to a valid name and click on "OK" button. [FR_TARGET_0025]	[condition]	The document is renamed.

Alternative Flows

SC_02

Description: Rename a Use Case Document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1A	Right–click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one imported Use Case Document.	A drop down menu is displayed.

2A	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3A	Change the document name to a valid name and click on "OK" button. [FR_TARGET_0025]	[condition]	The document is renamed.

SC_03

Description: Select to rename more than one document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1B	In the "Artifacts" view, Select more than one document and right-click on the selection. [FR_TARGET_0001]	A project is opened in TaRGeT. The project has at least two documents (test suite or Use Case Documents).	A drop down menu is displayed. The "Rename" option is disabled.

Exception Flows

SC_04

Description: Type an invalid document name.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1C	Try to change the document name to an invalid name (e.g. a name containing "<" or "*" characters). [FR_TARGET_0025]	[condition]	A message is displayed indicating that the name is invalid. The "OK" button is disabled.
2C	Click on "Cancel" button.	[condition]	The focus goes back to the main window.

SC_05

Description: Type an invalid document name and retype a valid name.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Try to change the document name to an invalid name (e.g. a name containing "<" or "*" characters). [FR_TARGET_0025]	[condition]	A message is displayed indicating that the name is invalid. The "OK" button is disabled.
2D	Erase the invalid name and type a valid name.	[condition]	The OK button is enabled.
3D	Click on the OK button	[condition]	The document is renamed.

SC_06

Description: Cancel the rename.
From Step: 2D
To Step: END

Step Id	User Action	System State	System Response
1E	Click on "Cancel" button.	[condition]	The focus goes back to the main window.

SC_07

Description: Type a document name that is being used by another use case document.
From Step: START
To Step: 2C, 2D

Step Id	User Action	System State	System Response
1F	Right-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least two use cases.	A drop down menu is displayed. The "Rename" option is enabled.
2F	Click on "Rename" option in the drop down menu. [FR_TARGET_0001]	[condition]	A dialog is popped up with a text field.
3F	Type a name that is already in use.	[condition]	A message is displayed indicating that the name is already in use. The "OK" button is disabled.

SC_08

Description: Type a test suite file name that is being used by another test suite file.
From Step: START
To Step: 2F

Step Id	User Action	System State	System Response
1G	Right-click on a test case document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least two test suites.	A drop down menu is displayed. The "Rename" option is enabled.

SC_09

Description: Type an empty name.
From Step: 2M
To Step: 2C

Step Id	User Action	System State	System Response
1H	Type an empty name. [FR_TARGET_0025]	[condition]	A message is displayed indicating that the name must not be empty. The "OK" button is disabled.

2.3.19 UC_85 – Deleting a Document

Deleting Use Cases or Test Suite Documents in TaRGeT.

Setup: [setup]

Main Flow

SC_01

Description: Delete a test suite document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Right-click on a generated test suite document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one already generated test suite.	A drop down menu is displayed.

2M	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation.
3M	Click on "Yes" button.	[condition]	The document(s) is (are) deleted. The project work area is refreshed. [FR_TARGET_0015]

Alternative Flows

SC_02

Description: Delete a Use Case Document that is not referred by another document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1B	Right-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. The project has at least one imported Use Case Document. The imported documents do not refer to a use case of another imported document.	A drop down menu is displayed.
2B	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation.
3B	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. [FR_TARGET_0015]

SC_03

Description: Delete a Use Case Document that is referred by another document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1C	Right-click on a Use Case Document in the "Artifacts" view. The selected document is referred by a use case of another imported document.	A project is opened in TaRGeT. The project has at least two imported Use Case Documents. A use case is referred by another use case from a different document.	A drop down menu is displayed.
2C	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation and informing that the document is being referred by another document.
3C	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. Some invalid reference errors are displayed in "Error" view. [FR_TARGET_0015, FR_TARGET_0120]

SC_04

Description: Delete more than one generated test suite.
From Step: START
To Step: 2M

Step Id	User Action	System State	System Response
1D	In the "Artifacts" view, Select more than one test suite document and right-click on the selection.	A project is opened in TaRGeT. The project has at least two generated test suites.	A drop down menu is displayed.

SC_05

Description: Delete one test suite and one Use Case Document that is being referenced.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1E	In the "Artifacts" view, Select one test suite document and a Use Case Document, and right-click on the selection.	A project is opened in TaRGeT. The project has at least two imported Use Case Document and at least one generated test suite. The imported Use Case Document is referenced by another imported document.	A drop down menu is displayed.
2E	Click on "Delete" option in the drop down menu. [FR_TARGET_0003]	[condition]	A dialog is displayed asking a confirmation and informing that the document is being referred by another document.
3E	Click on "Yes" button.	[condition]	The document(s) is(are) deleted. The project work area is refreshed. Some invalid reference errors are displayed in "Error" view. [FR_TARGET_0015, FR_TARGET_0120]

SC_06

Description: Delete two Use Case Documents.
From Step: START
To Step: 2C

Step Id	User Action	System State	System Response
1F	In the "Artifacts" view, Select one test suite two Use Case Documents, and right-click on the selection. One of the selected documents refers to the other.	A project is opened in TaRGeT. The project has two imported Use Case Document. One imported Use Case Document is referenced by the other.	A drop down menu is displayed.

SC_07

Description: Cancel the document deletion.
From Step: 2M, 2C
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "No" button.	[condition]	The document(s) is (are) not deleted.

2.3.20 UC_90 – Updating the Use Case Documents outside the TaRGeT UI

Updating Use Case Documents outside TaRGeT UI.

Setup: [setup]

Main Flow

SC_01

Description: Edit a Use Case Document with duplicated step ID outside TaRGeT UI.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Open an already imported Use Case Document with the Microsoft Word (outside the TaRGeT). The document has a duplicated step ID. [FR_TARGET_0005]	TaRGeT is started up and a project is opened. There is at least one imported Use Case Document with duplicated step ID in the project.	The document is opened in the default viewer outside the TaRGeT.
2M	Edit the duplicated ID, save the document and close it.	[condition]	The document is fixed.
3M	Go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
4M	Wait the progress bar.	[condition]	The fixed duplicated ID error is removed from the "Error" view.

2.3.21 ASP02 – Updating use case document outside TaRGeT

Updates imported use case document using operational system's default editor.

> **[I29] Comentário:** Pode ser resolvido com parametrização.

ADV02_1

Description: Updates use case document in XML format.
Type: AROUND

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
R1	Open an already imported Use Case Document with the Operational System's default XML editor. The document has a duplicated step ID. [FR_TARGET_0005]	TaRGeT is started up and a project is opened. There is at least one imported Use Case Document with duplicated step ID in the project.	The document is opened in the default viewer outside the TaRGeT.

ADV02_2

Description: Updates use case document in XLS format.
Type: –

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
R1	Open an already imported Use Case Document with Microsoft Excel. The document has a duplicated step ID. [FR_TARGET_0005]	TaRGeT is started up and a project is opened. There is at least one imported Use Case Document with duplicated step ID in the project.	The document is opened in the default viewer outside the TaRGeT.

2.3.22 UC_95 – Rejecting crashed Use Case Documents

Rejecting crashed Use Case Documents.

> **[I30] Comentário:** UC valido apenas para feature de word input. Criar advice para os demais formatos de entrada.

Setup: [setup]

Main Flow

SC_01

Description: Damage an imported Use Case Document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]
2M	Change the document, damaging its structure, and go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
3M	Wait the progress bar.	[condition]	A new error is displayed in the "Error" view indicating that the document is damaged. No information related to this document is displayed in the "Use Case" view. An error icon is assigned to the document in the "Artifacts" view. [FR_TARGET_0120, FR_TARGET_0125]

[l31] Comentário: Parâmetro

2.3.23 ASP03 – Rejecting crashed Use Case Documents

[l32] Comentário: Talvez parametrizando-se o use case resolva.

Opens imported use case document using operational system's default editor.

ADV03_1

[l33] Comentário: Associado a feature de XML input.

Description: Opens use case documents in XML format.
Type: –

Pointcut: [pointcut]

Step Id	User Action	System State	System Response

1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document.	The ==Operational System's default XML editor== is invoked and the document is opened. [FR_TARGET_0005]

ADV03_2

Description: Opens use case documents in XLS format.
Type: –

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document.	The ==Microsoft Excel== is invoked and the document is opened. [FR_TARGET_0005]

2.3.24 UC_100 – Rejecting a Use Case Document With Duplicated Feature ID

Rejecting Use Case Documents that assign to a feature an ID that is being used by a feature of another document.

Setup: [setup]

Main Flow

SC_01

Description: Assign to a feature an ID that is being used by a feature of another document.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There are two imported and valid Use Case Document.	The ==Microsoft Word== is invoked and the document is opened. [FR_TARGET_0005]

| 2M | Change the document, by assigning to a feature an ID that is being used by a feature of another document, and go back to the TaRGeT window. | [condition] | A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015] |
| 3M | Wait the progress bar. | [condition] | A new error is displayed in the "Error" view indicating that one of the documents contains a duplicated feature ID. The document is rejected and no information related to the document is displayed in the "Use Case" view. An error icon is assigned to the document in the "Artifacts" view. [FR_TARGET_0120, FR_TARGET_0125] |

2.3.25 ASP04 – Rejecting a Use Case Document With Duplicated Feature ID

[I36] Comentário: Pode ser resolvido com parametrização.

Opens imported use case document using operational system's default editor.

ADV04_1

Description: Opens use case documents in XML format.
Type: –
Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There are two imported and valid Use Case Document.	The Operational System's default XML editor is invoked and the document is opened. [FR_TARGET_0005]

ADV04_2

Description: Opens use case documents in XLS format.
Type: –
Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There are two imported and valid Use Case Document.	The Microsoft Excel is invoked and the document is opened. [FR_TARGET_0005]

2.3.26 UC_105 – Rejecting a Use Case Document With Duplicated Use Case ID

Rejecting Use Case Documents that assign to a use case an ID that is being used by another use case of the same feature.

Setup: [setup]

Main Flow

SC_01

Description: Assign to a use case an ID that is being used by another use of the same feature.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document. The document has at least one feature with more than one use case.	The Microsoft Word is invoked and the document is opened. [FR_TARGET_0005]

> **[I37] Comentário:** UC valido apenas para feature de word input. Criar advice para os demais formatos de entrada.

2M	Change the document, by assigning to a use case an ID that is being used by another use case of the same feature, and go back to the TaRGeT window.	[condition]	A progress bar is displayed while the project is being refreshed. [FR_TARGET_0110, FR_TARGET_0015]
3M	Wait the progress bar.	[condition]	A new error is displayed in the "Error" view indicating that one of the documents contains a duplicated use case ID. The document is rejected and no information related to the document is displayed in the "Use Case" view. An error icon is assigned to the document in the "Artifacts" view. [FR_TARGET_0120, FR_TARGET_0125]

2.3.27 ASP05 – Rejecting a Use Case Document With Duplicated Use Case ID

> **[I38] Comentário:** Pode ser resolvido com parametrização.

Opens imported use case document using operational system's default editor.

ADV03_1

Description: Opens use case documents in XML format.
Type: –

Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document. The document has at least one feature with more than one use case.	The Operational System's default XML editor is invoked and the document is opened. [FR_TARGET_0005]

ADV03_2

Description: Opens use case documents in XLS format.
Type: –
Pointcut: [pointcut]

Step Id	User Action	System State	System Response
1R	Double-click on a Use Case Document in the "Artifacts" view.	A project is opened in TaRGeT. There is one imported and valid Use Case Document. The document has at least one feature with more than one use case.	The Microsoft Excel is invoked and the document is opened. [FR_TARGET_0005]

2.3.28 UC_106 – Searching in Use Case Document

Searching in Use Case Document.

Setup: [setup]

Main Flow

SC_01

Description: Perform a search when some valid Use Case Documents are already imported.

From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Tools" option in the menu bar.	TaRGeT is started up. A project is already opened. There is at least one document imported. No error is listed in the "Error" list.	A drop down menu is displayed. "Search" option is available.
2M	Choose "Search" option in the drop down menu.	[condition]	"Search" window is displayed. [FR_TARGET_0135]
3M	Type a query in the input area.	[condition]	The "Find" field is filled.

4M	Click on "Search" button.	[condition]	The search results are displayed in "Search Results" View. Verify if the results are in accordance to the query.

Alternative Flows

SC_02

Description: Cancel the search.
From Step: 3M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on "Cancel" button.	[condition]	The focus goes back to the work area.

SC_03

Description: Using the specific field "Use Case Identifier".
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1B	"Type a query for serching based on use case Id, i.e. "ucid:<use_case_id>". A use case with id <use_case_id> must be contained in the project.	[condition]	The "Find" field is filled.
2B	Click on "Search" button.	[condition]	At least one use case is displayed in "Search Results" View. [FR_TARGET_0135]

SC_04

Description: Using the specific field "From Step".
From Step: 2M
To Step: 4M

Step Id	User Action	System State	System Response

Step Id	User Action	System State	System Response
1C	Type "from step: START" in the input area.	[condition]	The "Find" field is filled.

SC_05

Description: Using shortcut.
From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1D	Press CTRL+F	[condition]	"Search" window is displayed. [FR_TARGET_0135]

2.3.29 UC_107 – Viewing Search Results

Viewing search results.

Setup: [setup]

Main Flow

SC_01

Description: View found Use Case Documents in HTML format by double-clicking the use case.
From Step: UC_106#4M
To Step: END

Step Id	User Action	System State	System Response
1M	Double-click on a use case in the "Search Results" view.	[condition]	The selected Use Case is displayed in HTML format in the main panel. The search results are highlighted. [FR_TARGET_0130]

2.4 Generating Test Suites

This section presents the use case related to test suites generation.

2.4.1 UC_169 – Basic Test Suite Generation

Generating Test Cases through Basic Generation.

Setup: [setup]

Main Flow

SC_01

Description: Generating Test Cases through Basic Generation.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose the "Tools" option in the menu bar.	The TaRGeT is already started up. There is an already created project with at least one imported use case without errors. [FR_TARGET_0100]	A drop down menu is displayed with "Search", "Preferences" and "Basic Generation" options. The "Basic Generation" option is available.
2M	Choose the "Basic Generation" option in the drop down menu.	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]

2.4.2 UC_110 – Generating Test Suites through the On The Fly Generation

Generating Test Cases through the On The Fly Generation.

Setup: [setup]

Main Flow

SC_01

Description: Generate test cases in a spreadsheet format.
From Step: START
To Step: END

[I39] Comentário: UC associado a feature de basic generation

[I40] Comentário: Incluir o tipo do arquivo gerado de acordo com a feature de output selecionada.

[I41] Comentário: UC associado a feature de on the fly

Step Id	User Action	System State	System Response
1M	Choose the "Tools" option in the menu bar.	The TaRGeT is already started up. There is an already created project with at least one imported use case without errors. [FR_TARGET_0100]	A drop down menu is displayed with "Search", "Preferences" and "On The Fly Generation" options. The "On The Fly Generation" option is available.
2M	Choose the "On The Fly Generation" option in the drop down menu.	[condition]	The "On The Fly Generation Editor" window is displayed. The "Test Selection Page" is displayed. [FR_TARGET_0234]
3M	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	No filter is selected. [FR_TARGET_0150]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]
4M	Click on the "ok" button.	[condition]	The test suite is generated with the default name and the correct structure. The new test suite is in the "Artifacts" view in the TestCases folder. Notice that the generated test cases are according to the test cases list of the "Test Cases viewer" tab. [FR_TARGET_0237, FR_TARGET_0239, FR_TARGET_0170]

[I42] Comentário: Incluir o tipo do arquivo gerado de acordo com a feature de output selecionada.

[I43] Comentário: Advice para geração de documento de requisitos para test link. Advice para importação de template.

Alternative Flows

SC_03

Description: Generating tests without a template.
From Step: 1B
To Step: END

[I44] Comentário: Fluxo relacionado a feature de import template. From steps referencia o advice ADV06_2

Step Id	User Action	System State	System Response

1C	Press "No" button.	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process.

Exception Flows

SC_04

Description: Generating tests through a document with errors.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1A	Choose the "Tools" option in the menu bar.	The TaRGeT is already started up. A project is opened and some Use Case Documentation is already imported. There is at least one error in the "Error" list.	A drop down menu is displayed. The "On The Fly Generation" option is available.
2A	Choose the "On The Fly Generation" option in the drop down menu.	[condition]	A dialog is displayed indicating that there is/are error(s) in the project and it is not possible to generate tests. [FR_TARGET_0239]
3A	Click on "Ok" button.	[condition]	The focus comes back to the work area.

SC_05

Description: Importing an invalid test suite template.
From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
1D	Choose a .xls template and press "Open".	The .xls template is not a valid Test Central template.	A message is displayed informing that the .xls file is invalid and that the template information will not be imported.

SC_06

Description: Generates test suite without generating the requirements specification document
From Step: 2M
To Step: END

[I46] Comentário: Fluxo associado a feature de test link output.

Step Id	User Action	System State	System Response
1E	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	[condition]	The system asks the user if it wants to generate the requirements specification file.
2E	The use select the "No" button	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]
1E	Choose a .xls template and press "Open".	The .xls template is not a valid Test Central template.	A message is displayed informing that the .xls file is invalid and that the template information will not be imported.

2.4.3 ASP06 – Generating Test Suites through the On The Fly Generation

Generates Test Suite and Requirements specification document compatible with TestLink tool. Generates Test Suit importing a template.

Main Flow

ADV06_1

[I47] Comentário: Associar a feature de testlink output

Description: Generates Test Suite and Requirements specification document compatible with TestLink tool.
Type: AROUND
Pointcut: ||

[I48] Comentário: Substitui UC_110#3M e UC_110#4M (utilizar around)

Step Id	User Action	System State	System Response

1R	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	[condition]	The system asks the user if it wants to generate the requirements specification file.
2R	The user selects the "Yes" button.	[condition]	The system displays a message indicating where the requirements specification file was saved.
3R	The user press "OK" button.	[condition]	The system asks the use to type the name of the requirements specification.
4R	The user types the name of the requirements specification document and presses the "OK" button.	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [FR_TARGET_0160]

ADV06_2

Description: Generates Test Suit importing a template.
Type: AFTER
Pointcut: UC_110#2M

[I49] Comentário: Associar a feature de import template.

[I50] Comentário: após 3B deve voltar para UC_110#4M

Step Id	User Action	System State	System Response
1B	Go to "Test Cases" tab in the "On The Fly Generation Editor" view and click on the "Save Test Suite" button.	No filter is selected. [FR_TARGET_0150]	The "Import Template" pop up is displayed asking you if you want to import a spreadsheet template to generate the test suit based on it [FR_TARGET_0251].
2B	Press "Yes" button.	[condition]	A "Browse File" window is showed to select the .xls file.

3B	Choose a .xls template and press "Open".	There is available a spreadsheet template exported from Test Central.	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process.

2.4.4 UC_111 – Generating Test Suites using Requirement Filter

Selecting test cases by Requirement Filter.

Setup: [setup]

Main Flow

SC_01

Description: Filtering test suit generation by requirements.
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1M	In "Selection" tab in "On The Fly Generation Editor", select some requirements (not all) in the Requirements Selection area.	The imported use cases refer to more than one requirement.	Some requirements are selected. [FR_TARGET_0145]
2M	Go to "Test Cases Viewer" tab.	[condition]	Verify that test cases in the "Generated Test Cases" list are according to the selected filter. [FR_TARGET_0236, FR_TARGET_0237]

Alternative Flow

SC_02

Description: All requirements are selected.
From Step: UC_110#2M
To Step: 2M,UC_121#1M

Step Id	User Action	System State	System Response
1A	In the tab "Selection" in the "On The Fly Generation Editor", click on "Select all" button in the page of Requirements.	The imported use cases have one or more than one step which refers to distinct requirements	All requirements are selected. [FR_TARGET_0145]

SC_03

Description: Deselect all requirements selection.
From Step: 1M
To Step: 2M

Step Id	User Action	System State	System Response
1D	In the tab "Selection" in the "On The Fly Generation Editor", click on "Deselect all" button in the page of Requirements.	[condition]	All requirements are deselected. [FR_TARGET_0145]

Exception Flow

SC_04

Description: There is no reference to any requirement in the imported use cases document(s).
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	Choose "Tools" option in the menu bar.	No requirement is referenced in the imported use cases document(s).	A drop down menu is displayed. "On The Fly Generation" option is available.

2E	Choose "On The Fly Generation" option in the drop down menu.	[condition]	The "On The Fly Generation Editor" window is displayed. The "Requirements List" is disabled. The "Select All" and "Deselect All" buttons are disabled. [FR_TARGET_0145]

2.4.5 UC_112 – Generating Test Suites using Use Cases Filter

> **[I52] Comentário:** Uc relacionado a feature de on the fly

Selecting test cases by Use Cases Filter.

Setup: [setup]

Main Flow

SC_01

Description: Filtering test suit generation by use cases.
From Step: UC_110#2M
To Step: UC_111#2M

Step Id	User Action	System State	System Response
1M	In the tab "Selection" in the "On The Fly Generation Editor", select one or more (press CTRL) Use Cases available in the document.	The imported use cases document have at least use case.	The use cases are selected.
2M	Click on "Add Use case" button.	[condition]	One or more Use cases are added in the "Selected Use Cases" area. [FR_TARGET_0153]

Alternative Flow

SC_02

Description: Remove Use Cases from filter.
From Step: 2M
To Step: UC_111#2M

Step Id	User Action	System State	System Response
1A	In the tab "Selection" in the "On The Fly Generation Editor", select some use cases on the "Selected Use Cases" area.	[condition]	The use cases are selected.
2A	Click on the "Remove Use Case" button.	[condition]	The selected use cases were removed from "Selected Use Cases" area. [FR_TARGET_0153]

2.4.6 UC_115 – Generating Test Suites with Test Purposes

> **[I53] Comentário:** Uc relacionado a feature de on the fly

Selecting test cases by Test Purposes Filter.

Setup: [setup]

Main Flow

SC_01

Description: Filtering a test suite generation by a test purpose
From Step: UC_110#2M
To Step: UC_111#2M

Step Id	User Action	System State	System Response
1M	Go to "Test Purpose Creation" and select *-* step in the "Steps" area and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.
2M	In the "Steps" area, select a step and click on "Select" button.	[condition]	A reference to this step is added to the "Current Test Purpose" field. [FR_TARGET_0151]
3M	In the "Steps" area, select *-* step and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.

4M	Click on "OK" button.	[condition]	The test purpose is added to the "Created Test Purposes" list. The "Current Test Purpose" list is empty.

Alternative Flows

SC_02

Description: Move the step to lower level.
From Step: START
To Step: 3M

Step Id	User Action	System State	System Response
1A	Go to "On The Fly Generation" –> "Selection" tab –> "Test Purpose Creation" and in "Steps" area, select a step and click on "Select" button.	[condition]	A reference to this step is added to the "Current Test Purpose" field. [FR_TARGET_0151]
2A	Go to "Test Purpose Creation" and select *–* step in the "Steps" area and click on "Select" button.	[condition]	A "*" symbol is added to "Current Test Purpose" field.
3A	Select the first step in the "Current Test Purpose" field and click in the "Down" button.	[condition]	The selected test is in a lower level.

SC_03

Description: Move the step to upper level.
From Step: 2A
To Step: 3M

Step Id	User Action	System State	System Response
1B	Select the last step in the "Current Test Purpose" field and click in the "Up" button.	[condition]	The selected test is in upper level.

SC_04

Description: Clear one or more step(s) from "Current Test Purpose" field.
From Step: 3M
To Step: END

Step Id	User Action	System State	System Response
1C	Select one or more steps on "Current Test Purpose" area and click on "Clean" button.	[condition]	The selected step(s) was(were) removed from "Current Test Purpose" field.

SC_05

Description: Remove a test purpose from the "Created Test Purposes" list.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1D	Select a test purpose on "Created Test Purposes" list.	[condition]	The test purpose is highlighted. [FR_TARGET_0151]
2D	Click on "Clean" button on "Created Test Purposes" area.	[condition]	The test purpose was removed from the "Created Test Purposes" list.

SC_06

Description: Remove all test purposes from the created test purposes list.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1E	Click on "Clear All" button on "Created Test Purposes" area.	There is more than one test purpose on "Test purposes" list.	The "Created Test Purposes" list is empty. [FR_TARGET_0151]

2.4.7 UC_116 – Generating Test Suites with Path Coverage

Selecting test cases from Path Coverage.

> **[I54] Comentário:** Uc relacionado a feature de on the fly

Setup: [setup]

Main Flow

SC_01

Description: Path coverage percentage is 50%.
From Step: UC_110#2M
To Step: UC_111#2M

Step Id	User Action	System State	System Response
1M	Go to "Path Coverage" area and set to 50.	[condition]	"Path Coverage" is 50%. [FR_TARGET_0152]

2.4.8 UC_117 – Visualizing Test Cases in Test Cases Viewer

Visualize the test cases before the test suite generation.

[I55] Comentário: Uc relacionado a feature de on the fly

Setup: [setup]

Main Flow

SC_01

Description: Visualizing Test Cases.
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	No filter is selected.	The "Common Test Cases" and the "New Test Cases" boxes are checked. [FR_TARGET_0235]
2M	Verify the test cases in the "Generated Test Cases" list	[condition]	All test cases appear in the "Generated Test Cases" list.

Alternative Flows

SC_02

Description: Visualizing the "Common Test Cases".
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1A	Filter the test suite selecting some requirements in the "Selection" tab.	[condition]	The filter(s) are selected. [FR_TARGET_0234]
2A	Go to the "Test Cases" tab in "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and the "New Test Cases" boxes are checked. [FR_TARGET_0235]
3A	Deselect the "New Test Cases" box.	[condition]	Just the "Common Test Cases" selected by the filters in the Selected tab appear in the "Generated Test Cases" list with black font. [FR_TARGET_0237]

SC_03

Description: Visualizing the "Removed Test Cases" and the "Common Test Cases".
From Step: UC_111#2M
To Step: END

Step Id	User Action	System State	System Response
1B	Select the "Removed Test Cases" box.	[condition]	The removed test cases are added to the "Generated Test Cases" list with a red font.

SC_04

Description: Visualizing the "Removed Test Cases".
From Step: 1B
To Step: END

Step Id	User Action	System State	System Response
1C	Deselect "Common Test Cases" box.	[condition]	Just the test cases removed by the filters appear in the "Generated Test Cases" list with a red font.

SC_05

Description: Visualizing the lists of "Common Test Cases" and "New test Cases" after saving a filter.
From Step: UC_118#1M
To Step: END

Step Id	User Action	System State	System Response
1D	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
2D	Go to "Selection" tab and select some requirements that are equal to saved filter and some requirements different from saved filter.	[condition]	The filter(s) are selected. [FR_TARGET_0234]
3D	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
5D	Go to "Generated Test Cases" list.	[condition]	The common test cases between the first selected filter and the second selected filter that is loaded in the "Selection" tab, appear with black font in the "Generated Test Cases" list. The New Test Cases appear with green font in the "Generated Test Cases" list.

SC_06

Description: Visualizing the "Removed Test Cases" after saving a filter

From Step: UC_118#1A
To Step: END

Step Id	User Action	System State	System Response

1E	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the "Generated Test Cases "list. [FR_TARGET_0237, FR_TARGET_0236]
2E	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected. The common test cases between the selected filter and the filter that is loaded in the "Selection" tab appear with black font in the "Generated Test Cases" list.
3E	Select the "Removed Test Cases" box.	[condition]	The removed test cases appear in the "Generated Test Cases" list with a red font.

Exception Flows

SC_07

Description: Deselecting Common Test Cases box.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1F	Deselect the "Common Test Cases" box.	[condition]	No test cases appear in the "Generated Test Cases" list.

2.4.9 UC_118 – Saving a filter configuration in the Test Cases Viewer

Saving and loading a filter configuration in the test cases viewer.

Setup: [setup]

> **[I56] Comentário:** Uc relacionado a feature de on the fly

Main Flow

SC_01

Description: Saving a filter configuration.
From Step: UC_117#2A
To Step: END

Step Id	User Action	System State	System Response
1M	Click on the "Save Current Filter Selection" button.	[condition]	The new filter configuration is saved and appears in the common list. [FR_TARGET_0236]

Alternative Flows

SC_02

Description: Loading a saved filter configuration.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
2A	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the "Generated Test Cases "list. [FR_TARGET_0237, FR_TARGET_0236]

SC_03

Description: Loading the default filter configuration.
From Step: 2A
To Step: END

Step Id	User Action	System State	System Response
1B	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected.
2B	Click on the "Load Former Filter Selection" button.	[condition]	All test cases appear in the "Generated test cases" list.

2.4.10 UC_119 – Visualizing Test Cases in table format in Test Cases Viewer

Visualizing test cases in spreadsheet format.

Setup: [setup]

Main Flow

SC_01

Description: View a test case in the table.
From Step: UC_117#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Click on any test case in the "Generated Test Cases" list.	[condition]	The chosen test case appears in the "Selected test Cases" view in the spreadsheet template. [FR_TARGET_0237]

Exception Flows

SC_02

Description: Select more than one test case to view in the table format.
From Step: UC_117#2M
To Step: END

Step Id	User Action	System State	System Response
1A	Click on more than one (using CTRL) test case in the "Generated Test Cases" list.	[condition]	The first test case selected in crescent order that appears on list is shown in the "Selected test Cases" view in the spreadsheet standard. [FR_TARGET_0237]

SC_03

Description: Deselect a test case.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1B	Deselect the first test case selected (using CTRL) in the "Generated Test Cases" list.	[condition]	The spreadsheet view is updated, displaying another selected test case that appears first in he list in the "Generated test Cases" list.

2.4.11 UC_121 – Visualizing Test Cases in the Traceability Matrixes

Visualizing test cases in the traceability matrixes.

Setup: [setup]

Main Flow

SC_01

Description: Visualizing Test Cases.
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	No filter is selected	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
2M	Verify the test cases in the matrixes list	[condition]	All test cases appear in the matrixes list.

Alternative Flows

SC_02

Description: Visualizing the "Common Test Cases".
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response

1A	Filter the test suite selecting some requirements in the "Test Selection Page".	[condition]	The filter(s) are selected. [FR_TARGET_0234]
2A	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
3A	Deselect the "New Test Cases" box.	[condition]	Just the "Common Test Cases" selected by the filters in the Selected tab appear in the matrixes list with black font. [FR_TARGET_0237]

SC_03

Description: Visualizing the "Removed Test Cases" and "Common Test Cases".
From Step: UC_111#1M
To Step: END

Step Id	User Action	System State	System Response
1B	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	Verify that test cases in the "Traceability Matrix " list are according to the selected filter. [FR_TARGET_0240]
2B	Select the "Removed Test Cases" box.	[condition]	The removed test cases are added to the matrixes list with a red font.

SC_04

Description: Visualizing the "Removed Test Cases".
From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
1C	Deselect "Common Test Cases" box.	[condition]	Just the test cases removed by the filters appear in the matrixes list with a red font.

SC_05

Description: Visualizing the list of "Common Test Cases" and "New test Cases" after saving a filter.
From Step: 2A
To Step: END

Step Id	User Action	System State	System Response
1D	Click on the "Save Current Filter Selection".	[condition]	The new filter configuration is saved and appears in the common list. [FR_TARGET_0236]
2D	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
3D	Go to "Test Selection Page" and select some requirements that are equal to the first selected filter and some requirements different from first selected filter.	[condition]	The second filter(s) are selected. [FR_TARGET_0234]
4D	Go to the "Traceability Matrix" tab in the "On The Fly Generation Editor" view.	[condition]	The "Common Test Cases" and "New Test Cases" boxes are checked. [FR_TARGET_0235]
5D	Verify the matrixes list.	[condition]	The common test cases between the first selected filter and the second selected filter that is loaded in the "Selection" tab, appear with black font in the matrixes list. The New Test Cases appear with green font in the matrixes list.

SC_06

Description: Visualizing the "Removed Test Cases" after saving a filter

From Step: 2D

To Step: END

Step Id	User Action	System State	System Response
1E	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the matrixes list. [FR_TARGET_0237, FR_TARGET_0236]
2E	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected. The common test cases between the selected filter and the filter that is loaded in the "Selection" tab, appear with black font in the matrixes list.
3E	Select the "Removed Test Cases" box.	[condition]	The removed test cases are added to the matrixes list with a red font.

Exception Flows

SC_07

Description: Deselecting Common Test Cases box.

From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1F	Deselect the "Common Test Cases" box.	[condition]	No test cases appear in the matrixes list.

2.4.12 UC_122 – Saving a filter configuration in the Traceability Matrixes

Saving and loading a filter configuration.

Setup: [setup]

[I59] Comentário: Uc relacionado a feature de on the fly

Main Flow

SC_01

Description: Saving a filter configuration in the traceability matrixes.
From Step: UC_121#2A
To Step: END

Step Id	User Action	System State	System Response
1M	Click on the "Save Current Filter Selection".	[condition]	The new filter configuration is saved and appears in the common list.

Alternative Flows

SC_02

Description: Loading a saved filter configuration in the traceability matrixes.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1A	Select a filter configuration saved previously.	[condition]	The filter configuration is selected.
2A	Click on the "Load Former Filter Selection" button.	[condition]	The new filter configuration is loaded and the correspondent test cases appear in the matrixes.

SC_03

Description: Loading the default filter configuration.
From Step: 2A
To Step: END

Step Id	User Action	System State	System Response
1B	Select the default filter configuration "All test Cases".	[condition]	The filter configuration is selected.
2B	Click on the "Load Former Filter Selection" button.	[condition]	All test cases appear in the matrixes.

2.4.13 UC_123 – Visualizing Test Cases in table format in the Traceability Matrixes

Viewing test cases in the spreadsheet format.

Setup: [setup]

Main Flow

SC_01

Description: View a test case in the spreadsheet format.
From Step: UC_121#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Click in any test case in the matrixes list.	[condition]	The details of the selected test case appear in the "Selected test Cases" view in the spreadsheet standard.

2.4.14 UC_124 – Including Test Cases Permanently in test suite

Including test cases permanently in the test suit, independently of filters selection.

Setup: [setup]

Main Flow

SC_01

Description: Include permanently a test case that is already included by the filter selection.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	Any filter has to be selected. [FR_TARGET_0234]	The selected test cases by filter are displayed in the "Generated Test Cases" list. [FR_TARGET_0237]

Step Id	User Action	System State	System Response
2M	Check the "Removed Test Cases" box.	[condition]	The removed test cases by filter are displayed in the "Generated Test Cases" list with a red font.
3M	Click with the right mouse button in a included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
4M	Select "Include Test Case Permanently" option.	[condition]	The test case appears "Included Test Cases" list of Inclusion/Exclusion tab and remains with a black font in the "Generated Test Case" list. [FR_TARGET_0241]

Alternative Flows

SC_02

Description: Cancel the test case inclusion permanently.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1A	Go back to the test case tab and click with the mouse right button in this included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" options are available and "Include Test Case Permanently" and "Cancel Test Case Exclusion" are unavailable.

2A	Select "Cancel Test Case Inclusion" option.	[condition]	The test case is removed from "Included Test Cases" list of Inclusion/Exclusion tab.

SC_03

Description: Exclude the test case included permanently.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1B	Go back to the test case tab and click with the mouse right button in this included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" options are available and "Include Test Case Permanently" and "Cancel Test Case Exclusion" are unavailable.
2B	Select "Exclude Test Case Permanently" option.	[condition]	The test case is removed from "Included Test Cases" list, is added to "Excluded Test Cases" list in the Inclusion/Exclusion tab and shown with a red font in the "Generated Test Cases list" in the Test Cases tab.

SC_04

Description: Cancel the test case inclusion permanently in the Inclusion/Exclusion tab.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response

1C	Go to the Inclusion/Exclusion tab and click with the mouse right button in this included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" options are available.
2C	Select "Cancel Test Case Inclusion" option.	[condition]	The test case is removed from "Included Test Cases" list of Inclusion/Exclusion tab.

SC_05

Description: Include a test case that is excluded by the filter selection.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Click with the mouse right button in a excluded test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable. [FR_TARGET_0241]
2D	Select "Include Test Case Permanently" option.	[condition]	The test case appears in the "Included Test Cases" list of Inclusion/Exclusion tab and is shown with a black font in the "Generated Test Case" list.

2.4.15 UC_126 – Excluding Test Cases Permanently in test suite

Excluding test cases permanently in the test suit, independently of filters selection.

Setup: [setup]

> **[I62] Comentário:** Uc relacionado a feature de on the fly

Main Flow

SC_01

Description: Exclude permanently a test case that is already excluded by the filter selection.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to the "Test Cases" tab in the "On The Fly Generation Editor" view.	Any filter has to be selected. [FR_TARGET_0234]	The selected test cases by filter are displayed in the "Generated Test Cases" list. [FR_TARGET_0237]
2M	Check the "Removed Test Cases" box.	[condition]	The removed test cases by filter are displayed in the "Generated Test Cases" list with a red font.
3M	Click with the mouse right button in a excluded test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
4M	Select "Exclude Test Case Permanently" option.	[condition]	The test case appears "Excluded Test Cases" list of Inclusion/Exclusion tab and remains with a red font in the "Generated Test Case" list. [FR_TARGET_0241]

Alternative Flows

SC_02

Description: Cancel the test case exclusion permanently.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response

Step Id	User Action	System State	System Response
1A	Go back to the test case tab and click with the mouse right button in this excluded test case.	[condition]	A drop down menu is displayed with the "Include Test Case Permanently" and "Cancel Test Case Exclusion" options are available and "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" are unavailable.
2A	Select "Cancel Test Case Exclusion" option.	[condition]	The test case is removed from "Excluded Test Cases" list of Inclusion/Exclusion tab.

SC_03

Description: Exclude the test case included permanently.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1B	Go back to the test case tab and click with the mouse right button in this excluded test case.	[condition]	A drop down menu is displayed with the "Include Test Case Permanently" and "Cancel Test Case Exclusion" options are available and "Exclude Test Case Permanently" and "Cancel Test Case Inclusion" are unavailable.
2B	Select "Include Test Case Permanently" option.	[condition]	The test case is removed from "Excluded Test Cases" list, is added to "Included Test Cases" list in the Inclusion/Exclusion tab and shown with a black font in the "Generated Test Cases list" in the Test Cases tab.

SC_04

Description: Cancel the test case exclusion permanently in the Inclusion/Exclusion tab.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1C	Go to the Inclusion/Exclusion tab and click with the mouse right button in this excluded test case.	[condition]	A drop down menu is displayed with the "Include Test Case Permanently" and "Cancel Test Case Exclusion" options are available.
2C	Select "Cancel Test Case Exclusion" option.	[condition]	The test case is removed from "Included Test Cases" list of Inclusion/Exclusion tab.

SC_05

Description: Exclude a test case that is included by the filter selection.
From Step: 4M
To Step: END

Step Id	User Action	System State	System Response
1D	Click with the mouse right button in a included test case.	[condition]	A drop down menu is displayed with the "Exclude Test Case Permanently" and "Include Test Case Permanently" options are available and "Cancel Test Case Exclusion" and "Cancel Test Case Inclusion" are unavailable.
2D	Select "Exclude Test Case Permanently" option.	[condition]	The test case appears in the "Excluded Test Cases" list of Inclusion/Exclusion tab and is shown with a red font in the "Generated Test Case" list.

2.5 <u>Preferences</u>

This section presents the use case related to preferences window.

2.5.1 UC_130 – Generating Test Suites Changing Test Case Field Parameters

Configuring test case fields.

Setup: [setup]

Main Flow

SC_01

Description: Configuring test cases parameters.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "Tools" in the menu bar.	There is an already created project with at least one imported use case without errors. [FR_TARGET_0100]	A drop down menu is displayed with "Search", "Preferences" and "On The Fly Generation" options. The "Preferences" option is available.
2M	Select "Preferences" option.	[condition]	The Preferences wizard is displayed with "Test Case ID", "Test Case Initial ID", "Empty Field", "Objective Prefix", "Print Use Case Description", "Print Flow Description" and "Keep Requirements" fields.

Exception Flow

SC_02

Description: Cancel the preferences.
From Step: 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 2J, 2K
To Step: END

Step Id	User Action	System State	System Response

[I63] Comentário: Alguns campos de Preferences não são mostrados quando a feature de basic generation está selecionada.

[I64] Comentário: Se tiver editor, também aparece a opção "Use Case Editor"

[I65] Comentário: Esses campos aparecem apenas na versão com a feature on the fly

[I66] Comentário: Na versão STD apenas os seguintes campos sao mostrados: "Component Keyword", "Test Case ID", "Test Case Initial ID", "Empty Field", "Objective Prefix".

| | 1A | Press "Cancel" button. | [condition] | The field was not changed, the preferences screen is closed and the focus goes back to the main window. [FR_TARGET_0231] |

Alternative Flows

SC_03

Description: Changing "Objective Prefix" field.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1B	Type a wanted prefix in the "Objective prefix" field and press OK button.	The "Print Flow Description" field in the Preferences window cannot be "None"	The preferences configuration is changed. [FR_TARGET_0231]
2B	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All test cases contain their objective field with the prefix defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_04

Description: Changing "Empty Field" parameter.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1C	Type a wanted content in the "Empty Field" field and press OK button.	The "Print Flow Description" and "Print Use case description" fields is configured to "None"	The preferences configuration is changed. [FR_TARGET_0231]
2C	Go to "On The Fly Generation" and select each test case from the list.	[condition]	In all test cases, the fields that are empty in the Use Case Document are filled with this content defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_05

Description: Changing "Test Case Id" parameter to a fixed value.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1D	Type "<tc_featureid>_TESTE_<tc_id>" in the "Test Case Id" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0231]
2D	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All Test Case Id fields are filled according the standard defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_06

Description: Changing "Test Case initial Id" parameter
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1E	Type an initial test case id (number) in the "Test Case Initial Id" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0231]
2E	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All Test Case Ids are filled according the test case initial id (crescent order) defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_07

Description: Changing "Print Use Case Description" parameter to "All".
From Step: 2M
To Step: END

[I67] Comentário: Fluxo valido apenas para a feature de on the fly

Step Id	User Action	System State	System Response
1F	Choose the "ALL" option in the "Print Use Case Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2F	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All descriptions of all Use cases related to the test case are concatenated in the Case Description field for each test case. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_08

Description: Changing "Print Use Case Description" parameter to "Last".
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1G	Choose the "Last" option in the "Print Use Case Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2G	Go to "On The Fly Generation" and select each test case from the list.	[condition]	Just the description of last Use case related to each test case is shown in the Case Description field. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_09

Description: Changing "Print Use Case Description" parameter to "None".
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response

1H	Choose the "None" option in the "Print Use Case Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2H	Go to "On The Fly Generation" and select each test case from the list.	[condition]	The Case Description field does not contain any description and it is filled with "Empty Field" suggested in Preferences window. [FR_TARGET_0235, ,FR_TARGET_0237, FR_TARGET_231]

SC_10

Description: Changing "Print Flow Description" parameter to "All".
From Step: 2M
To Step: END

[I70] Comentário: Fluxo valido apenas para a feature de on the fly

Step Id	User Action	System State	System Response
1I	Choose the "ALL" option in the "Print Flow Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2I	Go to "On The Fly Generation" and select each test case from the list.	[condition]	All descriptions of all Flows related to each test case are concatenated after "Objective Prefix" in the respective field. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_11

Description: Changing "Print Flow Description" parameter to "Last".
From Step: 2M
To Step: END

[I71] Comentário: Fluxo valido apenas para a feature de on the fly

Step Id	User Action	System State	System Response

1J	Choose the "Last" option in the "Print Flow Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2J	Go to "On The Fly Generation" and select each test case from the list.	[condition]	Just description of last Flow related to each test case is shown after "Objective Prefix" in the respective field. [FR_TARGET_0235, ,FR_TARGET_0237]

SC_12

Description: Changing "Print Flow Description" parameter to "None".
From Step: 2M
To Step: END

[I72] Comentário: Fluxo valido apenas para a feature de on the fly

Step Id	User Action	System State	System Response
1K	Choose the "None" option in the "Print Flow Description" field and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0232]
2K	Go to "On The Fly Generation" and select each test case from the list.	[condition]	The Flow Description field does not contain any description and it is filled with "Empty Field" suggested in Preferences window. [FR_TARGET_0235, ,FR_TARGET_0237, FR_TARGET_231]

SC_13

Description: Check "Keep Requirements" parameter.
From Step: 2M
To Step: END

[I73] Comentário: Fluxo valido apenas para a feature de on the fly

Step Id	User Action	System State	System Response
1L	Check the "Keep Requirement" option and press OK button.	[condition]	The preferences configuration is changed. [FR_TARGET_0233]

2L	Go to "On The Fly Generation" and select each test case from the list.	[condition]	The requirements are shown into each step that is associated, besides to be shown at Requirements list. [FR_TARGET_0160, FR_TARGET_0170, ,FR_TARGET_0175]

SC_14

Description: Changing "Component Keyword" parameter.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1N	Type a wanted content in the "Component Keyword" field and press OK button.	–	The preferences configuration is changed. [FR_TARGET_0231]
2N	Go to "On The Fly Generation" and generate a test suite. Open the generated test suite.	[condition]	In the Keywords tab in the generated test suite, the component keyword fields are filled with this content defined by the user. [FR_TARGET_0235, ,FR_TARGET_0237]

2.5.2 ASP07 – Preferences

Displays Preferences fields.

Main Flow

ADV07_1

Displays Preferences fields in STD versions.

Type: –
Pointcut: [pointcut]

Step Id	User Action	System State	System Response

1R	Select "Preferences" option.	[condition]	The Preferences wizard is displayed with "Component Keyword", "Test Case ID", "Test Case Initial ID", "Empty Field", "Objective Prefix"fields.

> **[I75] Comentário:** Esses campos aparecem apenas na versão com a feature Basic Test Generationy

2.6 Consistency Managemement

This section presents the use case related to consistency management functionality.

2.6.1 UC_145 – Starting Consistency Management

> **[I76] Comentário:** UC valido quando a feature de CM está selecionada.

Starting Consistency Management Editor.

Setup: [setup]

Main Flow

SC_01

Description: Starting Consistency Management Editor.
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Go to "Test Cases" tab and mark the option "Start Consistency Management before saving."	The On The Fly Editor is Opened.	A window is displayed asking the user to select a generated test suite to compare. [FR_TARGET_245].

2M	Select a test suite and press the "Finish" button.	[condition]	The Consistency Management Editor is showed and the system displays one table containing the new test cases generated by the On The Fly and another table containing the percentage of similarity with the test cases of the previous selected test suite. [FR_TARGET_244] The system automatically associates a new test case to an old one that has a similarity level of 100%. [FR_TARGET_246]

Exception Flow

SC_02

Description: No test suites available.
From Step: UC_110#2M
To Step: END

Step Id	User Action	System State	System Response
1A	Go to "Test Cases" tab and mark the option "Start Consistency Managememnt before saving."	The On The Fly Editor is Opened. There is no test suite in the project folder.	A window is displayed asking the user to select a test suite to compare, but none test suite is displayed in the list and a message is shown informing that there is no test suites available. The "Finish" button is disabled.
2A	Press the "Cancel" button.	[condition]	The window is closed and the On The Fly Editor is displayed.

2.6.2 UC_146 – Associating Test Cases

Associating similar test cases in the Consistency Management Editor.

[I77] Comentário: UC valido quando a feature de CM está selecionada.

Setup: [setup]

Main Flow

SC_01

Description: Associating similar test cases in the Consistency Management
Editor.
From Step: UC_145#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select one test case from the new test cases table.	There are no modifications between the new and the old test suites.	The system shows in the old test cases table the similarity percentage between the selected new test case and the old ones. The "Delete" and "New Id" options are also displayed.
2M	Select one test case from the old test case table.	[condition]	The system displays two spreadsheets showing the fields of the selected test cases in the "Compare Test Cases" area. The system marks with blue color the different fields and with yellow color the extra steps.
3M	Press the "Save Test Suite" button.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated.

Alternative Flow

SC_02

Description: A new test case has been created.
From Step: UC_145#2M
To Step: END

Step Id	User Action	System State	System Response

1A	Select one test case from the New Test Cases table.	There is at least one modification between the new test suite and the old test suite.	The system marks the new or modified test case with red color. The system shows in the old test cases table the similarity levels between the selected new test case and the old ones different from 100%. The "Delete" and "New Id" options are also displayed and the "New Id" option is checked.
2A	Press "Save Test Suite" button.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must contain the new test case and the new id that has been attributed to it.

SC_03

Description: Removing a test case.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response
1B	Check the "Delete" option in the old test case table and press the "Save Test Suite" button.	[condition]	The system informs that the selected test case will be removed from the test suite and asks if the user wants to proceed.
2B	Press the "OK" button.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must not contain the deleted test case.

SC_04

Description: Associate two new test cases to the same old test case
From Step: UC_145#2M
To Step: END

Step Id	User Action	System State	System Response
2C	Associate two test cases from "New Test Cases" table to the same test case in the "Old Test Case" table.	[condition]	The system shows a warning message informing that there is another test case already associated with the selected old one.
3C	Press the "OK" button and press the "Save Test Suite" option.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must contain two test cases with the same id.

2.6.3 UC_147 – Setting up Next New Id

Configure the next new id to new test case.

Setup: [setup]

Main Flow

SC_01

Description: Associating similar test cases in the Consistency Management Editor.
From Step: UC_146#2A
To Step: END

Step Id	User Action	System State	System Response
1M	In the "Preferences" area, press the "Change" button.	[condition]	The system enables the "Next New Id" field for edition.
2M	Fill the "Next New Id" field with a desired value and presses the "Save" button.	[condition]	The system disables the "Next New Id" field for edition and save the new filled value.

> **[I78] Comentário:** UC valido quando a feature de CM está selecionada.

3M	Press the "Save Test Suite" option.	[condition]	The system displays a message informing that the test cases were merged and a new test suite has been generated. The generated test suite must contain the test case marked as new with the configured id.

2.6.4 UC_148 – Changing compared Test Suite

Change the test suite file that is being compared to the New test Suite generated by On The Fly.

Setup: [setup]

Main Flow

SC_01

Description: Changing Test Suite file.
From Step: UC_145#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Above Old Test Cases table, press the "Change" button.	There are one more generated test suites different from suite generated by On the Fly (New Test suite).	The system shows a window with all saved test suites and ask to user select a test suite to compare.
2M	Choose a test suite different from current.	[condition]	The system shows a progress bar indicating the test suite loading process and opens another Consistency Management window comparing the selected Test suite file.

2.6.5 UC_149 – Automatic Association configuration

Configuring Automatic Association.

Setup: [setup]

Main Flow

SC_01

Description: Changing Test Suite file.
From Step: UC_146#1A
To Step: END

Step Id	User Action	System State	System Response
1M	In Automatic Association area, fill the "First most similar" with a value a little less than the similarity percentage of first test case most similar to new test case.	There is a new modified test that has one test much similar with it (similarity percentage value is high) and the others are very different from it (similarity percentage value is lower than the first most similar).	The First Most Similar percentage is changed.
2M	In Automatic Association area, fill the "Second most similar" with a value a higher than the similarity percentage of second test case most similar to new test case.	[condition]	The Second Most Similar percentage is changed.
3M	Press "Refresh" button	[condition]	The first most similar test case is automatically checked in the Old Test Cases table.

2.6.6 UC_150 – Generating test suite on Consistency Management

Generates a test suite on the Consistency Management editor.

Setup: [setup]

[I80] Comentário: UC valido quando a feature de CM está selecionada.

[I81] Comentário: UC valido quando a feature de CM está selecionada.

Main Flow

SC_01

Description: Generates a test suite on the Consistency Management editor.
From Step: UC_145#2M
To Step: END

Step Id	User Action	System State	System Response
1M	Select the "Save Test Suite" button in the "Comparison Results" section.	[condition]	The "Test Cases Generation Summary" pop up is displayed informing the number of generated test cases and the total time required to complete the process. [[FR_TARGET_0160]

2.7 Controlled Natural Language (CNL)

This section presents the use cases related to the Controlled Natural Language (CNL) feature.

2.7.1 UC_151 – Adding a term to the lexicon

Adds a term to the CNL lexicon according to the type selected by the user

Setup: [setup]

Main Flow

SC_01

Description: Adds an unknown term to the CNL lexicon
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose the option "Add New Term" in the CNL view.	[condition]	The "Add New Lexical Term" dialog box is displayed.

2M	Choose one unknown term from the use case document in the "Term" combo.	There is at least one use case document imported. There is at least one word, in the imported use case documents, that was not found in the lexicon.	The selected term is displayed.
3M	Select a term type in the combo.	All the required fields are filled in.	The fields related to the selected term are displayed.
4M	Fill in the fields with the term's required information.	All the required fields are filled in.	The "Add New Term" button is enabled.
5M	Press the "Add New Term" button.	[condition]	The CNL is reloaded and a success message is displayed indicating that the term was added to the lexicon. [FR_TARGET_256]

Alternative Flows

SC_02

Description: Adds a new term to the lexicon
From Step: 1M
To Step: 4M

Step Id	User Action	System State	System Response
1A	Choose the option "<New Term>" in "Term" combo.	[condition]	No term is displayed.

SC_03

Description: Adds an existing term in a different category.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1B	Select a term type in the combo and fill in with the term's required information.	The term was already added in the lexicon in a different category. All the required fields are filled in.	The "Add New Term" button is enabled.

| 2B | Press the "Add New Term" button. | [condition] | A message is displayed informing that the term that the user is trying to add already exists in a different category. The system asks the user for a confirmation. |
| 3B | Press the "Yes" option. | [condition] | The CNL is reloaded and a success message is displayed indicating that the term was added to the lexicon. [FR_TARGET_256] |

SC_04

Description: Cancel the addition of an existing term in a different category.
From Step: 2B
To Step: END

Step Id	User Action	System State	System Response
1H	Select a term type in the combo and fill in with the term's required information.	The term was already added in the lexicon in a different category. All the required fields are filled in.	The "Add New Term" button is enabled.
2H	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add already exists in a different category. The system asks the user for a confirmation.
3H	Press the "No" option.	[condition]	The "Add New Lexical Term is displayed".

Exception Flows

SC_05

Description: Adds the same term twice.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1C	Select a term type in the combo and fill in with the term's required information.	The term was already added in the lexicon in the same category that was selected in the term type combo. All the required fields are filled in.	The "Add New Term" button is enabled.
2C	Press the "Add New Term" button.	[condition]	The system displays an error message indicating that it is not possible to add a term in a same category twice.

SC_06

Description: Adds a modal verb to the lexicon.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1D	Select the "Verb" category in the term type combo. Fill at least one of the required fields with one of the following modal verbs: "can, could, may, must, might, should, ought, shall, will, would".	[condition]	The system displays an error message indicating that it is not possible to add a modal verb in the lexicon.

SC_07

Description: Adds a pronoun to the lexicon.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response

| 1E | Select a term type in the combo and fill at least one of the required fields with one of the following pronouns: "I, you, he, she, it, we, they, me, him, her, us, them, my, mine, your, yours, his, her, hers, its, our, ours, yours, your, their, theirs, myself, yourself, himself, herself, itself, ourselves, yourselves, themselves". | [condition] | The system displays an error message indicating that it is not possible to add a pronoun in the lexicon. |

SC_08

Description: Adds a misspelled term in the lexicon.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1F	Select a term type in the combo and fill in the fields with the misspelled term's values.	All the required fields are filled in. The term type has to be one of the following: "Noun, Adverb, Adjective or Verb".	The "Add New Term" button is enabled.
2F	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add may not be well spelled. The system asks the user for a confirmation.
3F	Press the "No" option.	[condition]	The dialog input fields are cleared.

SC_09

105

Description: Adds a term in the lexicon in a wrong category.
From Step: 1A
To Step: END

Step Id	User Action	System State	System Response
1G	Select a term type in the combo and fill in the fields with a term from another category.	All the required fields are filled in. The term type has to be one of the following: "Noun, Adverb, Adjective or Verb".	The "Add New Term" button is enabled.
2G	Press the "Add New Term" button.	[condition]	A message is displayed informing that the term that the user is trying to add may not be suitable to its category according to the CNL dictionary. The system asks the user for a confirmation.
3G	Press the "No" option.	[condition]	The dialog input fields are cleared.

2.7.2 UC_152 – Searching a term in the lexicon

Searches a term in the lexicon and displays the term's information.

Setup: [setup]

Main Flow

SC_10

Description: Searches a term in the lexicon.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose the option "Edit/Remove Terms" in the CNL view.	The TaRGeT is already started up.	The "Edit/Remove Lexical Term" dialog box is displayed.
2M	Type the term in the "Search" input field.	[condition]	The results are displayed in the "Vocabulary" area. [FR_TARGET_256]

[I88] Comentário: Incluir referencua para requisito.

2.7.3 UC_153 – Updating a term

Updates a term from the lexicon

Setup: [setup]

Main Flow

SC_01

Description: Updates the term values.
From Step: UC_151#1M
To Step: END

Step Id	User Action	System State	System Response
1M	Select the term to be updated in the "Vocabulary" list.	There is at least one term in the vocabulary list.	The term to be updated is selected.
2M	Press the "Edit" button.	[condition]	Editable fields are displayed in the dialog box.
3M	Change at least on of the term values.	[condition]	The term fields are modified.
4M	Press the "Save" button.	All the required fields are filled in.	The term is updated in the lexicon. [FR_TARGET_256]

[I89] Comentário: Incluir referencua para requisito.

Alternative Flows

SC_02

Description: Updates the term category.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1A	Change the term type and fill in the term´s values.	[condition]	The term fields and category are modified.
2A	Press the "Save" button.	All the required fields are filled in.	The term is updated in the lexicon. [FR_TARGET_256]

Exception Flows

SC_03

Description: Updates a term with the values of an existing one.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1B	Change the term type and fill in the term´s values.	The new term type and fields have to be equals to an existing term in the lexicon.	The term fields and category are modified.
2B	Press the "Save" button.	All the required fields are filled in.	The system displays an error message indicating that it is not possible to add a term in a same category twice.

SC_04

Description: Updates a term with misspelled values.
From Step: 2M
To Step: END

Step Id	User Action	System State	System Response
1C	Fill in the term´s fields with misspelled values.	All the required fields are filled in. The term type is one of the following: "Noun, Adverb, Adjective or Verb".	The term fields are modified.
2C	Press the "Save" button.	All the required fields are filled in.	A message is displayed informing that the term that the user is trying to add may not be well spelled. The system asks the user for a confirmation.
3C	Press the "No" option.	[condition]	The modifications are ignored and the term's initial values are displayed.

2.7.4 UC_154 – Deleting a term

Deletes a term from the lexicon.

Setup: [setup]

Main Flow

SC_01

Description: Deletes a term from the lexicon.
From Step: UC_151#1M
To Step: END

Step Id	User Action	System State	System Response
1M	Select the term to be deleted in the "Vocabulary" area.	There is at least one term in the vocabulary area.	The term to be deleted is selected.
2M	Press the "Remove" button.	[condition]	A dialog box is displayed asking the user to confirm the term exclusion.
4M	Press the "Yes" button.	All the required fields are filled in.	The CNL is reloaded and a success message is displayed indicating that the term was removed from the lexicon. [FR_TARGET_256]

[I90] **Comentário:** Incluir referencua para requisito.

2.7.5 UC_155 – Visualizing unknown term's synonyms

Shows unknown term's synonyms.

Setup: [setup]

Main Flow

SC_01

Description: Shows unknown term's synonyms.
From Step: UC_150#1M
To Step: END

Step Id	User Action	System State	System Response

| 1M | Choose one unknown term from the use case document in the "Term" combo. | There is at least one use case document imported. There is at least one word, in the imported use case documents, that was not found in the lexicon. The term has a synonym already added in the lexicon. The term type is one of the following: "Noun, Adverb, Adjective or Verb". | The selected term and its synonyms are displayed in the "Add New Lexical Term" dialog box. [FR_TARGET_257] |

2.7.6 UC_156 – Reloading CNL

Reloads the CNL configuration files and reprocess the imported use case documents.

Setup: [setup]

Main Flow

SC_01

Description: Reloads the CNL configuration files.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the reload CNL button in the CNL View.	[condition]	The system displays a progress bar informing the progress of the task. The system reloads CNL configuration files and reprocesses imported use case documents. [FR_TARGET_261]

2.7.7 UC_157 – Visualizing errors from action sentences

Displays the errors from action sentences in the error table in the CNL view.

Setup: [setup]

Main Flow

SC_01

Description: Displays the errors from action sentences.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show errors from action sentences" button in the CNL View.	There is at least one error from an action sentence in the error table. The "Show errors from action sentences" button is not selected.	The system displays the errors from action sentences in the error table in the CNL view. [FR_TARGET_260]

2.7.8 UC_158 – Visualizing errors from condition sentences

Displays the errors from condition sentences in the error table in the CNL view.

Setup: [setup]

Main Flow

SC_01

Description: Displays the errors from condition sentences.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show errors from condition sentences" button in the CNL View.	There is at least one error from a condition sentence in the error table. The "Show errors from condition sentences" button is not selected.	The system displays the errors from condition sentences in the error table in the CNL view. [FR_TARGET_260]

2.7.9 UC_159 – Visualizing errors from response sentences

Displays the errors from response sentences in the error table in the CNL view.

Setup: [setup]

Main Flow

SC_01

Description: Displays the errors from response sentences.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show errors from response sentences" button in the CNL View.	There is at least one error from a response sentence in the error table. The "Show errors from response sentences" button is not selected.	The system displays the errors from response sentences in the error table in the CNL view. [FR_TARGET_260]

2.7.10 UC_160 – Visualizing syntax errors details

Displays syntax errors details in the "Syntax Errors" dialog box.

Setup: [setup]

Main Flow

SC_01

Description: Displays syntax errors details.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Show the Syntax Errors Details" button in the CNL View.	There is at least one syntax error in the error table.	The "Syntax Errors" dialog box is displayed and the details about the syntax errors are showed. [FR_TARGET_258]

Alternative Flows

SC_02

Description: Changes selected sentence in the "Syntax Errors" dialog box.
From Step: 1M
To Step: END

Step Id	User Action	System State	System Response

1A	Select a different sentence in the "Error Sentences" combo.	There is more than one syntax error in the error table.	The "Syntax Errors" dialog box is updated and the details about the syntax errors from the selected sentence are showed. [FR_TARGET_258]

2.7.11 UC_161 – Sorting errors by description

Sorts errors in the error table by its descriptions.

Setup: [setup]

Main Flow

SC_01

Description: Sorts errors in the error table by its descriptions.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Description" cell in the error table in the CNL view.	There is more than one error in the error table.	The errors in the error table are sorted alphabetically by its descriptions. [FR_TARGET_259]

2.7.12 UC_162 – Sorting errors by use case sentences

Sorts errors in the error table by the use case sentences where they were found.

Setup: [setup]

Main Flow

SC_01

Description: Sorts errors in the error table by the use case sentences where they were found.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1M	Press the "Sentence" cell in the error table in the CNL view.	There is more than one error in the error table.	The errors in the error table are sorted alphabetically by by the use case sentences where they were found. [FR_TARGET_259]

2.7.13 UC_163 – Sorting errors by step ID

Sorts errors in the error table by the ID of the step where they were found.

Setup: [setup]

Main Flow

SC_01

Description: Sorts errors in the error table by the ID of the step where they were found.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Press the "Step" cell in the error table in the CNL view.	There is more than one error in the error table.	The errors in the error table are sorted alphabetically by the ID of the step where they were found. [FR_TARGET_259]

2.7.14 UC_164 – Sorting errors by use case document name

Sorts errors in the error table by the name of the use case document where they were found.

Setup: [setup]

Main Flow

SC_01

Description: Sorts errors in the error table by the name of the use case document where they were found.
From Step: START
To Step: END

Step Id	User Action	System State	System Response

1M	Press the "Resource" cell in the error table in the CNL view.	There is more than one error in the error table.	The errors in the error table are sorted alphabetically by the name of the use case document where they were found. [FR_TARGET_259]

2.8 Others

This section presents use cases related to: About window, and Help.

2.8.1 UC_135 – Viewing the About Window

Displaying the About Window.

Setup: [setup]

Main Flow

SC_01

Description: Access the about window.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Help" option in the menu bar.	The TaRGeT is already started up.	A drop down menu is displayed. [FR_TARGET_0205]
2M	Choose "About TaRGeT" option in the drop down menu.	[condition]	"About" window is displayed. The content of the windows is detailed in TaRGeT requirements document. [FR_TARGET_0210]

2.8.2 UC_140 – Viewing the Help Window

Displaying the Help Window.

Setup: [setup]

Main Flow

SC_01

Description: Access the help window.
From Step: START
To Step: END

Step Id	User Action	System State	System Response
1M	Choose "Help" option in the menu bar.	The TaRGeT is already started up.	A drop down menu is displayed.
2M	Choose "Help Contents" option in the drop down menu.	[condition]	"Help" window is displayed. [FR_TARGET_0205]