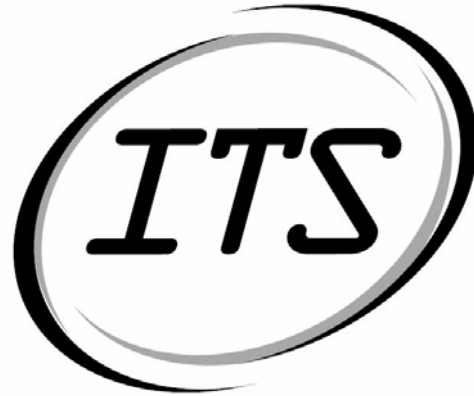


R·I·T



ITS Graphical Report Maker
Operational Testing
Scenario



11 February 04

**Team JACT Software
RIT Software Engineering Department**

Version 1.3.0

Revision History

Revision	Date	Author	Section	Comments/Changes
0.1.0	26 Jan 2004	A. Buehler	All	Template Creation.
1.0.0	06 Feb 2004	All	All	Initial Revision.
1.1.0	08 Feb 2004	J. Myers	All	Corrected Grammatical Issues.
1.2.0	10 Feb 2004	C. Chiou, A. Buehler	All	Revision and structural changes.
1.3.0	11 Feb 2004	C. Chiou	Most	Addition of new scenarios for most sections.

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Test Scenario ID	TS-1	Scenario	To verify the login functionality of the system.	Scenario	
Parent Use Case ID	UC-1	Objective		Pass/Fail	
Test Start State	Login State.				
Step	Source	Action	Pass/Fail	Failure Description	
1	System	Display Login screen.			
2	User	Enter "jact" into the username text field.			
3	User	Enter "jact" into the password text field.			
4	User	Select "Login".			
5	System	Display Main Menu screen.			

Test Scenario ID	TS-2	Scenario	To verify that the system does not accept an invalid	Scenario	
Parent Use Case ID	UC-1	Objective	username.	Pass/Fail	
Test Start State	Login State.				
Step	Source	Action	Pass/Fail	Failure Description	
1	System	Display Login screen.			
2	User	Enter "badjact" into the username text field.			
3	User	Enter "jact" into the password text field.			
4	User	Select "Login".			
5	System	Display "Invalid Username/Password" and Login screen.			

Test Scenario ID		TS-3	Scenario Objective	To verify that the system does not accept an invalid username.	Scenario Pass/Fail	
Parent Use Case ID		UC-1				
Test Start State		Login State.				
Step	Source	Action	Pass/Fail	Failure Description		
1	System	Display Login screen.				
2	User	Enter "jact" into the username text field.				
3	User	Enter "badjact" into the password text field.				
4	User	Select "Login".				
5	System	Display "Invalid Password" and Login screen.				

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Test Scenario ID	TS-4	Scenario	To verify logout functionality of the system.		Scenario	
Parent Use Case ID	UC-2	Objective			Pass/Fail	
Test Start State	Not in Login state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Logout".				
2	System	Display Login screen.				

Test Scenario ID	TS-5	Scenario	To verify the ability to close the program.		Scenario	
Parent Use Case ID	UC-2	Objective			Pass/Fail	
Test Start State	Not in Login state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Closes program without logging off.				
2	System	Log user off.				
3	User	Start up program.				
4	System	Display Login screen.				

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Test Scenario ID		TS-6	Scenario Objective	To verify the system's ability to create Rover Elements.	Scenario Pass/Fail	
Parent Use Case ID		UC-3				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Create New Element".				
2	System	Display Create New Element screen.				
3	User	Select "Insert Element".				
4	System	Display Insert Element dialog.				
5	User	Select "Base Rover" from available elements drop down menu.				
6	User	Select "OK".				
7	System	Display Insert Rover screen.				
8	User	Select "Grace" from source drop down menu.				
9	User	Select "Number", "Users", "Null" for the three data drop down menu.				
10	User	Select "Static" for the query type checkbox.				
11	User	Select "11/1/00" from the from date drop down menu.				
12	User	Select "12/1/00" from the to date drop down menu.				
13	User	Select "60 min" from the time interval drop down menu.				
14	User	Select "20 sec" from the time buffer drop down menu.				
15	User	Select "OK".				
16	System	Display Create New Element screen with a new rover Element.				

Test Scenario ID		TS-7	Scenario Objective	To verify the system's ability to create Generator Elements.	Scenario Pass/Fail	
Parent Use Case ID		UC-3				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Create New Element".				
2	System	Display Create New Element screen.				
3	User	Select "Insert Element".				
4	System	Display Insert Element dialog.				
5	User	Select "Base Generator" from available elements drop down menu.				
6	User	Select "OK".				
7	System	Display Insert Generator screen.				
8	User	Select "DataSet1 Attributes" on the data set table.				
9	User	Select "Add Data Set".				
10	System	Display new line representing the "DataSet 1 Attributes" on graph.				
11	User	Enter "JACT Graph 1" in title text box,				
12	User	Enter "Time" in x-axis label text box.				
13	User	Enter "Number of Users" in y-axis label text box.				
14	User	Enter "400 x 200" in graph size text box.				
15	User	Select "X Grid" check box.				
16	User	Select "Y Grid" check box.				
17	User	Select "Show Data Point Labels" check box.				
18	User	Select "Insert Generator".				
19	System	Display "Create New Element" with a new generator Element.				

Test Scenario ID		TS-8	Scenario Objective	To verify the system's ability to create Elements.	Scenario Pass/Fail	
Parent Use Case ID		UC-3				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Create New Element".				
2	System	Display Create New Element screen.				
3	User	Select "Insert Element".				
4	System	Display Available Element screen.				
5	User	Select "JACT rover" from the available elements drop down menu.				
6	User	Select "OK".				
7	System	Display Create New Element screen with "JACT rover" placed on the screen.				
8	User	Select "Insert Element".				
9	System	Display Available Element screen.				
10	User	Select "JACT generator" from the available elements drop down menu.				
11	User	Select "OK".				
12	System	Display Create New Element screen with "JACT generator" placed on the screen.				
13	User	Select the "JACT rover" output.				
14	User	Select the "JACT generator" input.				
15	User	Select "Connect".				
16	System	Display Create New Element screen with the two elements now connected.				

Test Scenario ID		TS-9	Scenario Objective	To verify the system's ability to check for invalid attributes during creation of a Rover Element.	Scenario Pass/Fail	
Parent Use Case ID		UC-3				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Create New Element".				
2	System	Display Create New Element screen.				
3	User	Select "Insert Element".				
4	System	Display Insert Element dialog.				
5	User	Select "Base Rover" from available elements drop down menu.				
6	User	Select "OK".				
7	System	Display Insert Rover screen.				
8	User	Select "Grace" from source drop down menu.				
9	User	Select "Null", "Null", "Null" for the three data drop down menu.				
10	User	Select "Static" for the query type checkbox.				
11	User	Select "11/1/2099" from the from date drop down menu.				
12	User	Select "12/1/2099" from the to date drop down menu.				
13	User	Select "60 min" from the time interval drop down menu.				
14	User	Select "20 sec" from the time buffer drop down menu.				
15	User	Select "OK".				
16	System	Display "Invalid Attributes" and return to Insert Rover screen.				

Test Scenario ID		TS-10	Scenario Objective	To verify that the user can cancel out of a creation of a new Element.	Scenario Pass/Fail	
Parent Use Case ID		UC-3				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Create New Element".				
2	System	Display Create New Element screen.				
3	User	Select "Insert Element".				
4	System	Display Insert Element dialog.				
5	User	Select "Base Rover" from available elements drop down menu.				
6	User	Select "OK".				
7	System	Display Insert Rover screen.				
8	User	Select "Cancel"				
9	System	Display Create New Element screen.				

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Test Scenario ID	TS-11	Scenario	To verify the system's ability to modify an Element.		Scenario	
Parent Use Case ID	UC-4	Objective			Pass/Fail	
Test Start State	Main state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Modify Existing Element".				
2	System	Display Modify Existing Element dialog.				
3	User	Select "JACT Report".				
4	System	Display Modify Existing Element screen with "JACT Report" attribute values.				
5	User	Select on "JACT rover" Element that is placed on the drawing screen.				
6	User	Select "Modify Element Attributes".				
7	System	Display Modify Rover screen with "JACT rover" attribute values.				
8	User	Select "1/1/02" from date drop down menu.				
9	User	Select "2/1/02" to date drop down menu.				
10	User	Select "OK".				
11	System	Display "Modify Existing Element" screen.				
12	User	Repeat steps 5 & 6.				
13	System	Display Modify Rover screen with the updated attribute values.				

Test Scenario ID		TS-12	Scenario Objective	To verify the system's ability to check for invalid attributes during modification of an Element.	Scenario Pass/Fail	
Parent Use Case ID		UC-4				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Modify Existing Element".				
2	System	Display Modify Existing Element dialog.				
3	User	Select "JACT Report".				
4	System	Display Modify Existing Element screen with "JACT Report" attribute values.				
5	User	Select on "JACT rover" Element that is placed on the drawing screen.				
6	User	Select "Modify Element Attributes".				
7	System	Display Modify Rover screen with "JACT rover" attribute values.				
8	User	Select "1/1/2099" from date drop down menu.				
9	User	Select "2/1/2099" to date drop down menu.				
10	User	Select "OK".				
11	System	Display "Modify Existing Element" screen.				
12	User	Repeat steps 5 & 6.				
13	System	Display "Invalid Attributes" and return to Modify Existing Element screen.				

Test Scenario ID		TS-13	Scenario Objective	To verify that the user can cancel out of modifying an existing Element.	Scenario Pass/Fail	
Parent Use Case ID		UC-4				
Test Start State		Main state.				
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Modify Existing Element".				
2	System	Display Modify Existing Element dialog.				
3	User	Select "JACT Report".				
4	System	Display Modify Existing Element screen with "JACT Report" attribute values.				
5	User	Select on "JACT rover" Element that is placed on the drawing screen.				
6	User	Select "Modify Element Attributes".				
7	System	Display Modify Rover screen with "JACT rover" attribute values.				
8	User	Select "Cancel".				
9	System	Display Main Menu screen.				

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Test Scenario ID	TS-14	Scenario	To verify the system's ability to preview a Rover,	Scenario	
Parent Use Case ID	UC-5	Objective	Tabular Generator, or a Report with a Tabular Generator	Pass/Fail	
Test Start State	Creation or Modify state.				
Step	Source	Action	Pass/Fail	Failure Description	
1	User	Select "Preview".			
2	System	Display Preview Element screen.			
3	System	Display preview in tabular form.			

Test Scenario ID	TS-15	Scenario	To verify the system's ability to preview a Graphical	Scenario	
Parent Use Case ID	UC-5	Objective	Generator or a Report with a Graphical Generator	Pass/Fail	
Test Start State	Creation or Modify state.				
Step	Source	Action	Pass/Fail	Failure Description	
1	User	Select "Preview".			
2	System	Display Preview Element screen.			
3	System	Display preview in graphical form.			

Test Scenario ID	TS-16	Scenario	To verify the system's ability to preview an Operation	Scenario	
Parent Use Case ID	UC-5	Objective		Pass/Fail	
Test Start State	Creation or Modify state.				
Step	Source	Action	Pass/Fail	Failure Description	
1	User	Select "Preview".			
2	System	Display Preview Element screen.			
3	System	Display notification that the preview of an Operation is not possible.			

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Test Scenario ID	TS-17	Scenario	To verify the system's ability to save an Element into persistent states.		Scenario	
Parent Use Case ID	UC-6	Objective			Pass/Fail	
Test Start State	Create, Modify or Preview state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Save".				
2	System	Display Save Element screen.				
3	User	Enter unique name "Element1" into name text field.				
4	User	Select "Save".				
5	System	Display Main Menu.				
6	User	Select "Modify Existing Element".				
7	System	Display Modify Existing Element screen.				
8	User	Enter "Element1" into name field.				
9	System	Display Modify Existing Element screen with saved Element.				

Test Scenario ID	TS-18	Scenario	To verify the system's ability to save an Element into persistent states with a non-unique name with overwrite.	Scenario	
Parent Use Case ID	UC-6	Objective		Pass/Fail	
Test Start State	Create, Modify or Preview state.				
Step	Source	Action	Pass/Fail	Failure Description	
1	User	Select "Save".			
2	System	Display Save Element screen.			
3	User	Enter non-unique name "Element1" into name text field.			
4	User	Select "Save".			
5	System	Display "Overwrite or Rename".			
6	User	Select "Overwrite".			
7	System	Display Main Menu.			
8	User	Select "Modify Existing Element".			
9	System	Display Modify Existing Element screen.			
10	User	Enter "Element1" into name field.			
11	System	Display Modify Existing Element screen with saved Element.			

Test Scenario ID	TS-19	Scenario	To verify that the user can cancel out of saving an Element.	Scenario	
Parent Use Case ID	UC-6	Objective		Pass/Fail	
Test Start State	Create, Modify or Preview state.				
Step	Source	Action	Pass/Fail	Failure Description	
1	User	Select "Save".			
2	System	Display Save Element screen.			
3	User	Enter unique name "Element2" into name text field.			
4	User	Select "Cancel".			
5	System	Display previous state.			

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Test Scenario ID	TS-20	Scenario	Delete Element		Scenario	
Parent Use Case ID	UC-7	Objective			Pass/Fail	
Test Start State	Main state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Delete Element".				
2	System	Display Delete Element screen				
3	User	Select "Element1".				
4	User	Select "OK".				
5	System	Prompt for confirmation of deletion.				
6	User	Select "Confirm".				
7	System	Display Main Menu screen.				
8	User	Select "Modify Existing Element".				
9	System	Display Modify Existing Element screen.				
10	User	Enter "Element1" into name field.				
11	User	Select "OK".				
12	System	Inform user that "Element1" does not exist.				

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Test Scenario ID	TS-21	Scenario	Execute Report		Scenario	
Parent Use Case ID	UC-8	Objective			Pass/Fail	
Test Start State	Main state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Selects "Execute Report".				
2	System	Display Execute Report dialog.				
3	User	Select "JACT report" from the available Elements drop down menu.				
4	System	Display Execute Report screen.				
5	User	Select "View Report Data".				
6	System	Display Report Data screen.				

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Test Scenario ID	TS-22	Scenario	Export Report Data		Scenario	
Parent Use Case ID	UC-9	Objective			Pass/Fail	
Test Start State	Execute or View Report Data state.					
Step	Source	Action	Pass/Fail	Failure Description		
1	User	Select "Export Report Data".				
2	System	Display Export Report Data screen.				
3	User	Enter "Export1" into pathname text field.				
4	User	Select "OK".				
5	System	Display Main Menu screen.				