

ITS Graphical Report Maker

Acceptance Test Plan

9 February 2004

Team JACT Software RIT Software Engineering Department

Version 1.1.1



Revision History

Revision	Date	Author	Section	Comments/Changes
0.1.0	8 Feb 2004	J. Myers	All	Template Creation
1.0.0	8 Feb 2004	All	All	Initial Revision
1.1.0	8 Feb 2004	A. Buehler	All	Compilation of
				Initial Revision
1.1.1	9 Feb 2004	C. Chiou	All	Update and
				Formatting Changes

Test Case ID:	TC-1	Original Author:	John Myers	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-1	Original Date:	2/08/04	Last Updated On:	2/09/04		
Test Objective	To test the function of logging into the GRM system.						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful Login	1 - Selects "Log	1 - System ready	1 - System prompts user for login		
		into System"	for login.	information.		
		2 - Enters	2 - Valid	2 - System acknowledges entering		
		Username	Username	of username.		
		3 - Enters Password	3 - Valid Password	3 - System acknowledges entering		
		4 - Selects "Login."		of password.		
				4 - System displays "Main		
				Menu."		
2	Invalid Username	1 - Selects "Log	1 - System ready	1 - System prompts user for login		
		into System"	for login.	information.		
		2 - Enters	2 - Invalid	2 - System acknowledges entering		
		Username	Username	of username.		
		3 - Enters Password	3 - Valid Password	3 - System acknowledges entering		
		4 - Selects "Login."		of password.		
				4 - System displays "Invalid		
				Username" error message and		
				returns to step 1.		

3	Invalid Password	1 - Selects "Log	1 - System ready	1 - System prompts user for login
		into System"	for login.	information.
		2 - Enters	2 - Valid	2 - System acknowledges entering
		Username	Username	of username.
		3 - Enters Password	3 - Invalid	3 - System acknowledges entering
		4 - Selects "Login."	Password	of password.
				4 - System displays "Invalid
				Password" error message and
				returns to step 1.

Test Case ID:	TC-2	Original Author:	John Myers	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-2	Original Date:	8 February 2004	Last Updated On:	2/09/04		
Test Objective	To test the function of logging off of the GRM system.						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful Logoff	1 - Selects "Log off		1 - System acknowledges logoff		
		from System."		request and displays login		
				window.		
2	Close Program	1 - Closes program		1 - System automatically logs user		
		without logging		off of system upon program		
		off.		termination.		

Test Case ID:	TC-3	Original Author:	Cesario Tam	Last Updated by:	Cheng-Train Chiou
Parent Use Case ID:	UC-3	Original Date:	2/08/04	Last Updated	2/09/04
				On:	
Test Objective:	To test the function	n Create Element, th	e associated exceptions	s and alternative cou	irses.

Item	Test Condition	Operator	Input Specifications	Output Specifications	Pass	Comments
No.		Action		(Expected Result)	or Fail	
1	Successful	1 – Select	1 – Valid Element attribute	1 - System responds by		Re-execute test
	Creation	Create Element	values.	displaying the Create		with insertion
		from Main		Element screen.		of different
		Menu.		2 – System asks user		Element types.
		2 - Insert an		what Element is being		
		Element.		inserted.		Verify that
		3 - Select an		3 – System asks user		system does in
		Element.		for the attribute values		fact check that
		4 - Enter		of the selected Element.		the attribute
		attribute values.		4 – System verifies the		values being
		5 – Return to		attribute values.		entered are
		Create Element				correct.
		screen.				

С	Unguogo ful	1 – Select	1 Involid Flomont attribute	1 System responses	Do orcour	to toot
2	Unsuccessful		1 – Invalid Element attribute	1 – System responses	Re-execu	
	Creation due to	Create Element	values.	by displaying the	with inser	
	invalid attribute	from Main		Create Element screen.	of differen	nt
	values	Menu.		2 – System asks user	Element t	ypes.
		2 - Insert an		what Element is being		
		Element		inserted.	Verify that	at the
		3 - Select an		3 – System asks user	system al	lows
		Element.		for the attribute values	reentry af	ter
		4 - Enter		of the selected Element.	notifying	user
		attribute values.		4 – System rejects the	of the inv	alid
		5 – Return to		creation and notifies	attribute	
		Create Element		the user that the	values.	
		screen.		attribute values are		
				invalid.		
3	Unsuccessful	1 – Select	1 – Valid Element attribute	1 – System responses		
-	Creation due to	Create Element	values.	by displaying the		
	user	from Main		Create Element screen.		
	cancellation	Menu.		2 - System returns to		
		2 - Click		Main Menu screen.		
		Cancel.		intum menu sereen.		

Test Case ID:	TC-4	Original Author:	Cesario Tam	Last Updated by:	Cheng-Train Chiou		
Parent Use Case ID:	UC-4	Original Date:	2/08/04	Last Updated On:	2/09/04		
Test Objective:	To test the function Modify Element, the associated exceptions and alternative courses.						

Item	Test Condition	Operator	Input Specifications	Output Specifications	Pass	Comments
No.		Action		(Expected Result)	or Fail	
1	Successful	1 – Select	1 – Valid Element attributes	1 - System asks user to		Re-execute test
	Modification	Modify	values.	select an Existing		with
		Element from		Element.		modification of
		Main Menu.		2 – System displays		different
		2 - Select an		Modify Element		Element types.
		Element.		screen.		
		3 - Enter new		3 – System asks user		Verify that
		attribute values.		for the attribute values		system does in
		4 - Return to		of the selected Element.		fact check for
		Create Element		4 – System verifies the		the attribute
		screen.		attribute values.		values being
						entered are
						correct.

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2	Unsuccessful	1 – Select	1 – Invalid Element attributes	1 - System asks user to	Re-execute test
	Modification	Modify	values.	select an Existing	with
	due to invalid	Element from		Element.	modification of
	attribute values	Main Menu.		2 – System displays	different
		2 - Select an		Modify Element	Element types.
		Element		screen.	
		3 - Enter new		3 – System asks user	Verify that the
		attribute values.		for the attribute values	system allows
		4 - Return to		of the selected Element.	reentry after
		Create Element		4 – System rejects the	notifying user
		screen.		modification and	of the invalid
				notifies the user that the	attribute
				new attribute values are	values.
				invalid.	
3	Unsuccessful	1 – Select	1 – Valid Element attributes	1 - System asks user to	
	Modification	Modify	values.	select an Existing	
	due to user	Element from		Element.	
	cancellation	Main Menu.		2 – System displays	
		2 – Select an		Modify Element	
		Element.		screen.	
		3 – Click		3 – System returns to	
		Cancel.		Main Menu.	

Test Objective

Test Case ID:	TC-5	Original Author:	John Myers	Last Updated By:	Cheng-Train Chiou
Parent Use Case ID:	UC-5	Original Date:	8 February 2004	Last Updated On:	2/09/04

To test the function of previewing elements in the GRM system.

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Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful	1 - Selects	1 - User has	1 - System displays table with		
	Preview of	"Preview	created a Rover,	data from Element to be		
	Tabular Element.	Element" option.	Tabular Generator,	previewed.		
		_	or Report with a			
			Tabular Generator.			
2	Successful	1 - Selects	1 - User has	1 - System displays graph with		
	Preview of	"Preview	created a	data from Element to be		
	Graphical	Element" option.	Graphical	previewed.		
	Element.		Generator or a			
			Report with a			
			Graphical			
			Generator			
3	Unsuccessful	1 - Selects	1 - User has	1 - System displays message		
	Preview of	"Preview	created an Element	indicating the Element is not		
	Element That is	Element" option.	not composed of a	preview-able.		
	Not Preview-able.	1	Rover or a	1		
			Generator.			
4	Unsuccessful	1 - Selects	1 - User has	1 - System displays message		Not Composed
	Preview of	"Preview	created an Element	indicating that the Element cannot		Correctly =
	Element That is	Element" option.	that is not	be previewed due to errors.		Connections
	Preview-able, but		composed			are missing
	With Errors.		correctly.			between
	with Lifuis.		concerty.			
						Elements, etc.

Test Case ID:	TC-6	Original Author:	Adam Buehler	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-6	Original Date:	2/08/04	Last Updated On:	2/09/04		
Test Objective	To test the systems ability to save Elements						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful save	1 – Select "Save"	1 – Save name is	1 – System prompts for save		Execute test for
		2 – Enter save	unique	name.		all Element
		name	2 – Element	2 – System saves Element.		types.
		3 – Select "Save"	attribute values	3 – System displays main menu.		
			have been verified			
2	Non-unique save	1 – Select "Save"	1 – Save name is	1 – System prompts for save		Execute test for
	name with	2 – Enter save	not unique	name.		all Element
	overwrite	name	2 – Element	2 – System notifies user of non-		types.
	confirmed	3 – Select "Save"	attribute values	unique save name.		
		4 – Select	have been verified	3 – System prompts for overwrite		
		"Overwrite"		or rename.		
		5 – Select		4 – System prompts for		
		"Confirm"		confirmation of overwrite		
				5 – System saves Element.		
				6 – System displays main menu.		

3	Non-unique save name with overwrite denied	 1 - Select "Save" 2 - Enter save name 3 - Select "Save" 4 - Select "Overwrite" 5 - Select "Deny" 	 1 – Save name is not unique 2 – Element attribute values have been verified 	 1 – System prompts for save name. 2 – System notifies user of non- unique save name. 3 – System prompts for overwrite or rename. 4 – System prompts for confirmation of overwrite. 5 – System prompts for save name. 	Execute test for all Element types.
4	Non-unique save	1 – Select "Save"	1 - Save name is	1 – System prompts for save	Execute test for
	name with rename	2 – Enter save	not unique	name.	all Element
		name	2 – Element	2 – System notifies user of non-	types.
		3 – Select "Save"	attribute values	unique save name.	
		4 – Select	have been verified	3 – System prompts for overwrite	
		"Rename"		or rename.	
		5 – Enter save		4 – System prompts for save name	
		name		5 – System saves Element.	
		6 – Select "Save"		6 – System displays main menu.	
5	Cancellation of	1 – Select "Save"	1 – Element	1 – System prompts for save	
	save	2 – Select	attribute values	name.	
		"Cancel"	have been verified	2 – System returns to pre-save	
				state.	

Test Case ID:	TC-7	Original Author:	Adam Buehler	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-7	Original Date:	2/08/04	Last Updated On:	2/09/2004		
Test Objective	To test the systems ability to delete Elements						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.		_	Specifications	(Expected Result)	or Fail	
1	Successful	1 – Select "Delete	1 – Valid element	1 – System prompts for		
	deletion	Element"	name given.	Element(s) to be deleted.		
		2 – Select		2 – System prompts for		
		Element(s) to be		confirmation of deletion		
		deleted		3 – System removes Element(s)		
		3 – Select		4 – System displays main menu		
		"Delete"				
		4 – Select				
		"Confirm"				
2	Deletion denied	1 – Select "Delete	1 – Valid element	1 – System prompts for		
		Element"	name given.	Element(s) to be deleted.		
		2 – Select		2 – System prompts for		
		Element(s) to be		confirmation of deletion		
		deleted		3 – System prompts for		
		3 – Select		Element(s) to be deleted.		
		"Delete"				
		4 – Select "Deny"				

3	Invalid name given	 1 - Select "Delete Element" 2 - Select Element(s) to be deleted 3 - Select "Delete" 4 - Select "OK" 	1 – Invalid element name given.	 1 – System prompts for Element(s) to be deleted. 2 – System notifies user of invalid name 2 – System prompts for Element(s) to be deleted. 		
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Test Case ID:	TC-8	Original Author:	Cheng-Train Chiou	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-8	Original Date:	2/08/04	Last Updated On:	2/09/04		
Test Objective:	To test the function Execute Report, the associated exceptions and alternate courses.						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful	1 - Select	1 - Export Report	1 - System prompts user for a		
	execution of	"Execute Report"	option available.	report name.		
	report.	option.	2 - Valid report	2 - System generates a report.		
		2 - Enter valid	name.			
		Report name.				
2	Successful	1 - Select	1 - Export Report	1 - System prompts user for a		
	execution of report	"Execute Report"	option available.	report name.		
	after entering an	option.	2 - Invalid report	2 - System prompts user for a		
	invalid report	2 - Enter invalid	name.	report name.		
	name.	report name.	3 - Valid report	3 - System generates a report.		
		3 - Enter valid	name.			
		report name.				
3	Cancellation of an	1 - Select	1 - Export Report	1 - System prompts user for a		
	execution of	"Execute Report"	option available.	report name.		
	report.	option.	2 - Cancel option	2 - System returns to main menu.		
		2 - Select	available.			
		"Cancel" option.				

Test Case ID:	TC-9	Original Author:	Cheng-Train Chiou	Last Updated By:	Cheng-Train Chiou		
Parent Use Case ID:	UC-9	Original Date:	2/08/04	Last Updated On:	2/09/04		
Test Objective:	Test Objective: To test the function Export Report Data, the associated exceptions and alternate courses.						

Item	Test Condition	Operator Action	Input	Output Specifications	Pass	Comments
No.			Specifications	(Expected Result)	or Fail	
1	Successful export	1 - Select "Export	1 - Export Report	1 - System prompts user for an		
	of report data.	Report Data"	Data option	export name.		
		option.	available.	2 - System exports report data.		
		3 - Enter valid	2 - Valid export			
		Export name.	name.			
2	Successful export	1 - Select	1 - Export Report	1 - System prompts user for an		
	of report data after	"Execute Report"	Data option	export name.		
	entering an invalid	option.	available.	2 - System prompts user for an		
	report name.	2 - Enter invalid	2 - Invalid export	export name.		
		Export name.	name.	3 - System exports report data.		
		3 - Enter valid	3 - Valid export			
		Export name.	name.			
3	Cancellation of an	1 - Select "Export	1 - Export Report	1 - System prompts user for a		
	export of report	Report Data"	Data option	report name.		
	data.	option.	available.	2 - System returns to main menu.		
		2 - Select	2 - Cancel option			
		"Cancel" option.	available.			

Quality Control Checklist

		Response			
#	Item	Yes	No	N/A	Comments
1.	Has acceptance testing been incorporated into the test plan?				
2.	Is acceptance testing viewed as a project process, rather than as a single step at				
	the end of testing?				
3.	Is the acceptance test plan consistent with the acceptance criteria?				
4.	Have appropriate interim products been reviewed by the acceptance testers				
	before being used for the next implementation task?				
5.	Have the appropriate testing techniques been selected for acceptance testing?				
6.	Have adequate resources for performing acceptance testing been allocated?				
7.	Have interim acceptance opinions been issued?				
8.	Has the project team reacted positively to the acceptance testers' concerns?				
9.	Has a final acceptance decision been made?				
10.	Is that decision consistent with the acceptance criteria that have been met and not				
	met?				
11.	Have the critical acceptance criteria been identified?				
12.	Are the requirements documented in enough details that the software interfaces				
	can be determined?				
13.	Do the users of the software agree that the use case definitions are complete?				
14.	Have at least two test cases been prepared for each use case?				
15.	Have both a successful and unsuccessful test condition been identified for each				
	use case?				
16.	Do the users of the software agree that the Acceptance Test Plan identifies all the				
	probable scenarios?				

Contribution From: Perry, William E. Effective Methods for Software Testing. 2nd ed. New York: John Wiley & Sons, 2000. 487-488.