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

| 3 | Invalid Password | 1 - Selects "Log into System" 2 - Enters Username 3 - Enters Password 4 - Selects "Login." | 1 - System ready for login. 2 - Valid Username 3 - Invalid Password | 1 - System prompts user for login information. 2 - System acknowledges entering of username. 3 - System acknowledges entering 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 No.	Test Condition	Operator Action	Input Specifications	Output Specifications (Expected Result)	Pass or Fail	Comments
1	Successful Logoff	1 - Selects "Log off from System."		1 - System acknowledges logoff request and displays login window.		
2	Close Program	1 - Closes program without logging off.		1 - System automatically logs user off of system upon program 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 On:	2/09/04
Test Objective:	To test the function Create Element, the associated exceptions and alternative courses.				

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

| 2 | Unsuccessful Creation due to invalid attribute values | 1 – Select Create Element from Main Menu. 2 - Insert an Element 3 - Select an Element. 4 - Enter attribute values. 5 – Return to Create Element screen. | 1 – Invalid Element attribute values. | 1 – System responses by displaying the Create Element screen. 2 – System asks user what Element is being inserted. 3 – System asks user for the attribute values of the selected Element. 4 – System rejects the creation and notifies the user that the attribute values are invalid. | | Re-execute test with insertion of different Element types.

Verify that the system allows reentry after notifying user of the invalid attribute values. |
| 3 | Unsuccessful Creation due to user cancellation | 1 – Select Create Element from Main Menu. 2 – Click Cancel. | 1 – Valid Element attribute values. | 1 – System responses by displaying the Create Element screen. 2 – System returns to Main Menu screen. | | |

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

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

Verify that the system allows reentry after notifying user of the invalid attribute values. |
| 3 | Unsuccessful Modification due to user cancellation | 1 – Select Modify Element from Main Menu. 2 – Select an Element. 3 – Click Cancel. | 1 – Valid Element attributes values. | 1 – System asks user to select an Existing Element. 2 – System displays Modify Element screen. 3 – System returns to Main Menu. | | |

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

Item No.	Test Condition	Operator Action	Input Specifications	Output Specifications (Expected Result)	Pass or Fail	Comments
1	Successful Preview of Tabular Element.	1 - Selects "Preview Element" option.	1 - User has created a Rover, Tabular Generator, or Report with a Tabular Generator.	1 - System displays table with data from Element to be previewed.		
2	Successful Preview of Graphical Element.	1 - Selects "Preview Element" option.	1 - User has created a Graphical Generator or a Report with a Graphical Generator	1 - System displays graph with data from Element to be previewed.		
3	Unsuccessful Preview of Element That is Not Preview-able.	1 - Selects "Preview Element" option.	1 - User has created an Element not composed of a Rover or a Generator.	1 - System displays message indicating the Element is not preview-able.		
4	Unsuccessful Preview of Element That is Preview-able, but With Errors.	1 - Selects "Preview Element" option.	1 - User has created an Element that is not composed correctly.	1 - System displays message indicating that the Element cannot be previewed due to errors.		Not Composed Correctly = Connections are missing between 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 No.	Test Condition	Operator Action	Input Specifications	Output Specifications (Expected Result)	Pass or Fail	Comments
1	Successful save	1 – Select "Save" 2 – Enter save name 3 – Select "Save"	1 – Save name is unique 2 – Element attribute values have been verified	1 – System prompts for save name. 2 – System saves Element. 3 – System displays main menu.		Execute test for all Element types.
2	Non-unique save name with overwrite confirmed	1 – Select "Save" 2 – Enter save name 3 – Select "Save" 4 – Select "Overwrite" 5 – Select "Confirm"	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 saves Element. 6 – System displays main menu.		Execute test for all Element types.

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 name with rename	1 – Select "Save" 2 – Enter save name 3 – Select "Save" 4 – Select "Rename" 5 – Enter save name 6 – Select "Save"	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 save name 5 – System saves Element. 6 – System displays main menu.		Execute test for all Element types.
5	Cancellation of save	1 – Select "Save" 2 – Select "Cancel"	1 – Element attribute values have been verified	1 – System prompts for save name. 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 No.	Test Condition	Operator Action	Input Specifications	Output Specifications (Expected Result)	Pass or Fail	Comments
1	Successful deletion	1 – Select "Delete Element" 2 – Select Element(s) to be deleted 3 – Select "Delete" 4 – Select "Confirm"	1 – Valid element name given.	1 – System prompts for Element(s) to be deleted. 2 – System prompts for confirmation of deletion 3 – System removes Element(s) 4 – System displays main menu		
2	Deletion denied	1 – Select "Delete Element" 2 – Select Element(s) to be deleted 3 – Select "Delete" 4 – Select "Deny"	1 – Valid element name given.	1 – System prompts for Element(s) to be deleted. 2 – System prompts for confirmation of deletion 3 – System prompts for Element(s) to be deleted.		

| 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. | | |

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

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:	To test the function Export Report Data, the associated exceptions and alternate courses.				

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

Quality Control Checklist

#	Item	Yes	No	N/A	Comments
		Response			
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.