Rational TestManager

A Test Management Tool

What is Rational TestManager?

- Rational Testmanager is a testing tool that encompasses all aspects of test analysis from test management to execution to reporting.
- It supports all kinds of testing from pure manual test approaches to various automated paradigms including unit testing, functional regression testing and performance testing.

Who uses Rational TestManager?

TestManager is designed to be used by all members of a project team.

- **Testers:** TestManager automates and simplifies crucial tasks. This lets the testers design all kinds of tests to run on the software.0
- **Developers:** Helps developers keep track of what features have been tested, and ensure no requirement goes untested.
- **Managers:** Testing allows project managers to determine whether the system the team is building matches the design model and to keep track of deadlines.

Rational TestManager Workflow

- Planning tests
- Designing tests
- Implementing tests
- Executing tests
- Evaluating tests

Rational TestManager Workflow

1. Planning Tests

The activity of planning tests involves answering the following questions:

- **What and Where?** – Requirements, visual models, and other test inputs tell you what to test and where to run the tests.
- **Why** – Test inputs tell you why you are going to do certain tests. For example, tests may be performed to validate system requirements.
- **When?** – Iteration plans tell you when the tests must be run and must pass.
- **Who?** – Test plans, iteration plans, or project plans tell you who performs the testing activities.

Rational TestManager Workflow

2. Designing Tests

The activity of designing tests answers the question, “How am I going to perform the testing?”

A complete test design informs readers about what actions need to be taken with the system and what behaviors and characteristics they should expect to observe if the system is functioning properly.

Rational TestManager Workflow

3. Implementing Tests

- The activity of implementing tests involves the design and development of reusable *test scripts* that implement your test case.
- After you create the implementation, you can associate it with the test case.

Rational TestManager Workflow

4. Executing Tests

The activity of executing your tests involves running the test implementations to ensure that the system functions correctly.

In TestManager, you can run any of the following:

- An individual test script
- One or more test cases
- A suite, which runs any combination of test cases and test scripts across one or more computers and virtual testers.

Rational TestManager Workflow

5. Evaluating Tests

The activity of evaluating tests involves:

- Determining the validity of the actual test run. Did it complete? Did it fail because preconditions weren’t met?
- Analyzing the test output to determine the result. In performance testing, you look at reports on the generated data to see if the performance is acceptable.
- Looking at aggregate results to check coverage against test plans, test inputs, configurations, and so on. This can also be used to measure test progress and to do trend analysis.

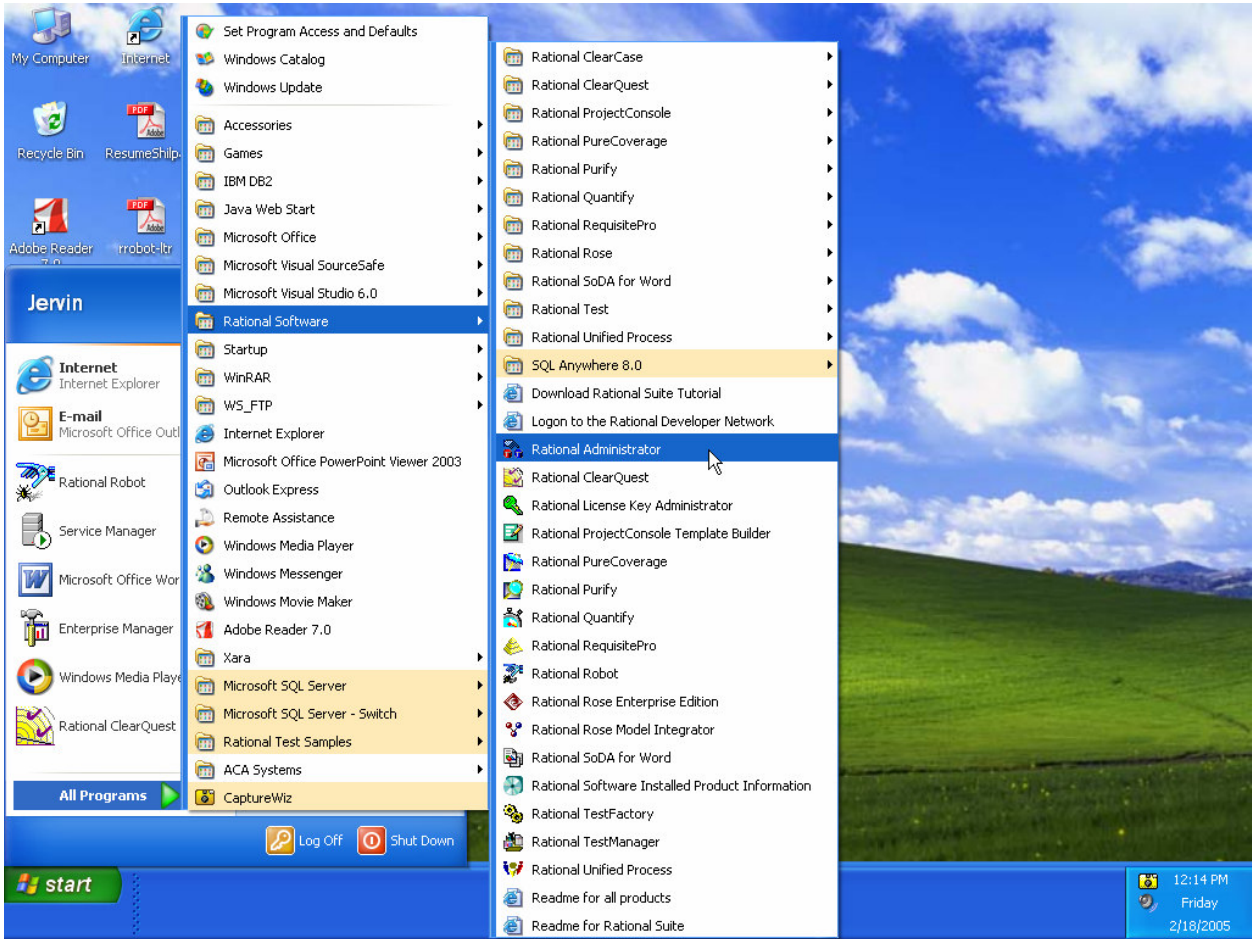
Rational Robot Tutorial

Setup For Tutorial

- Creating a Rational Administrator Project

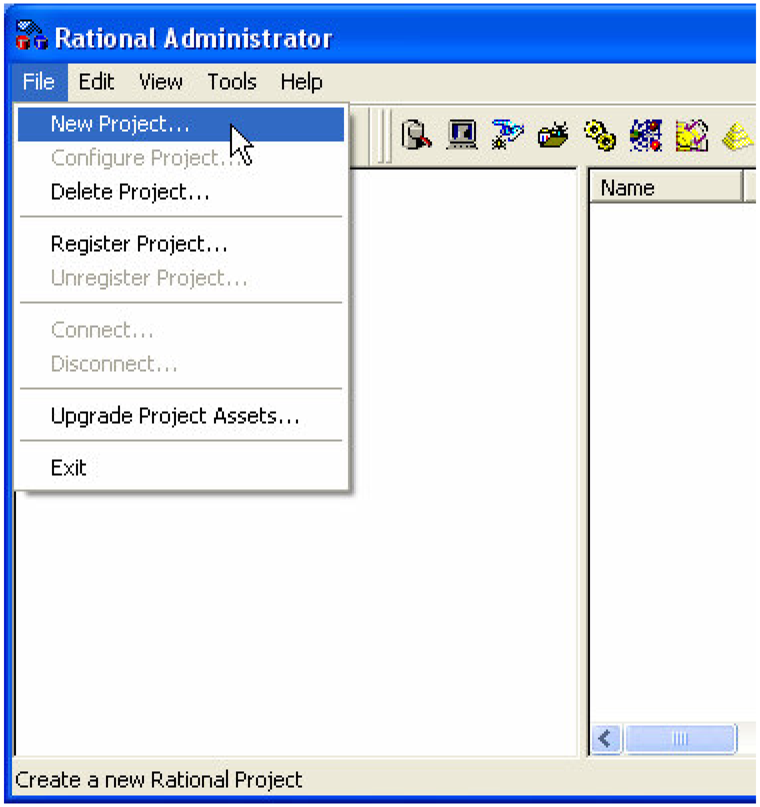
Create a Rational Administrator Project

- Start Rational Administrator by clicking:
  Start > Programs > Rational Software > Rational Administrator



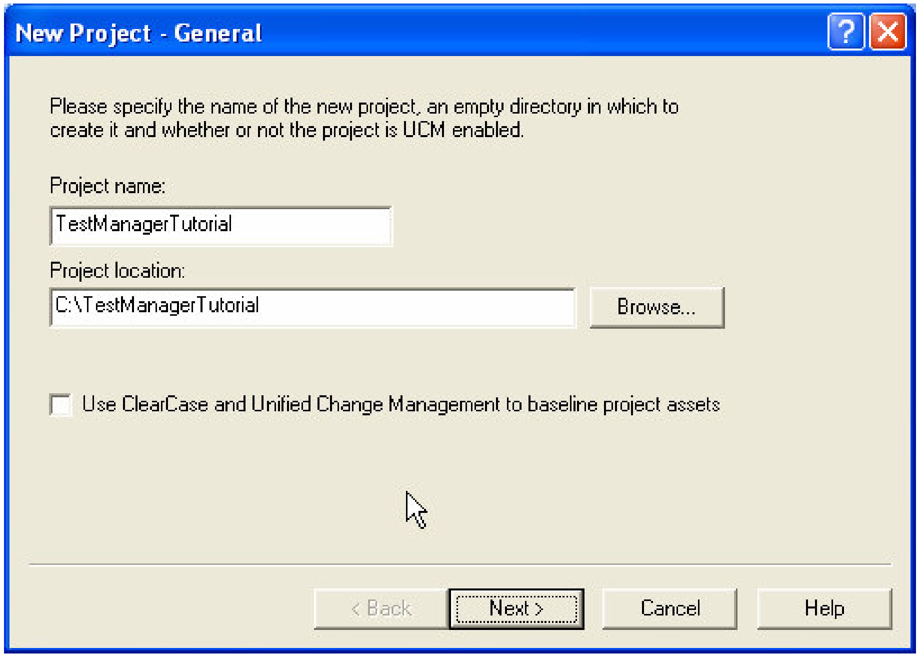
Create a Rational Administrator Project

- Create a new Project: Choose File > New Project



Create a new Rational Project

- Enter a project name (TestManagerTutorial) and path (C:\TestManagerTutorial)



Please specify the name of the new project, an empty directory in which to create it and whether or not the project is UCM enabled.

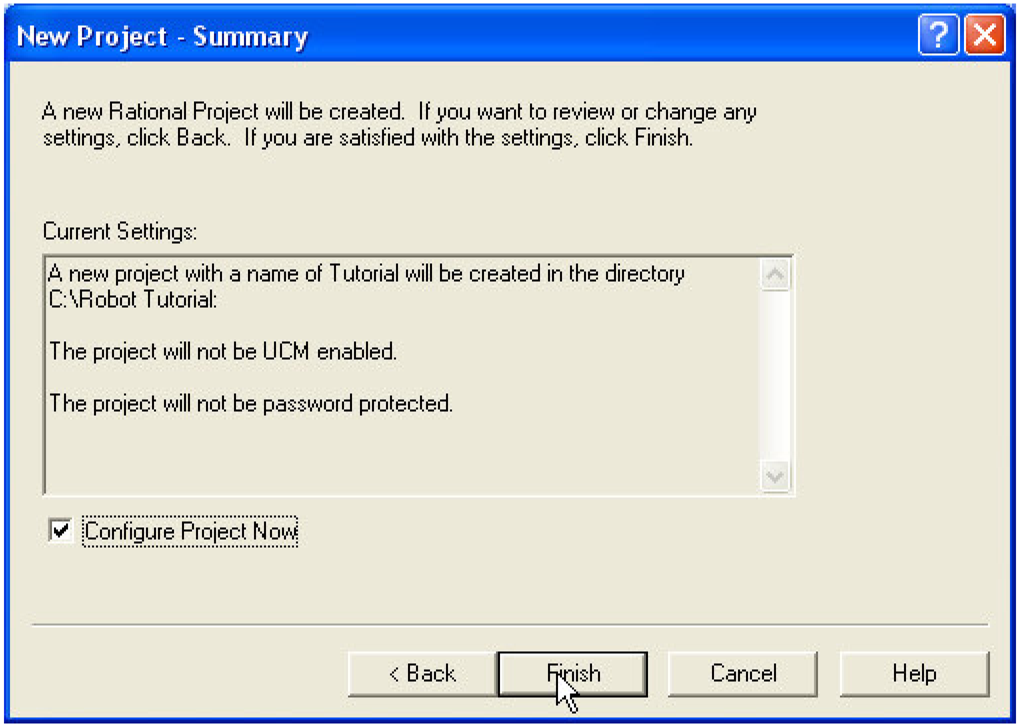
Project name: TestManagerTutorial

Project location: C:\TestManagerTutorial

□ Use ClearCase and Unified Change Management to baseline project assets

Create a Rational Administrator Project

- Click okay on the warning window and do not set a password, just click next.
- Ensure that **Configure Project Now** is checked on the summary page.



A new Rational Project will be created. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Finish.

Current Settings:

A new project with a name of Tutorial will be created in the directory C:\Robot Tutorial:

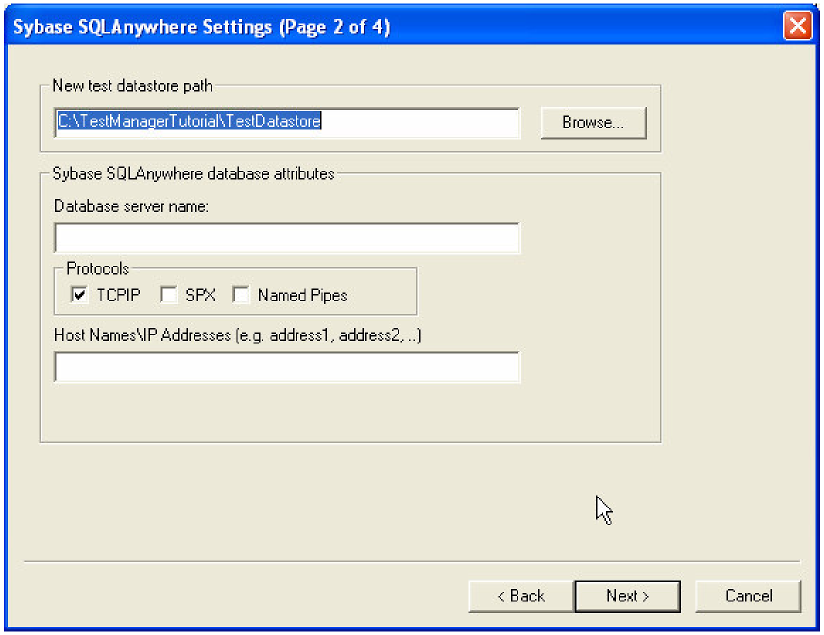
The project will not be UCM enabled.

The project will not be password protected.

☑ Configure Project Now

Create a Rational Administrator Project

- To configure the test datastore that will be part of your project, click **Create…** in the Test Assets group.



Sybase SQLAnywhere Settings (Page 2 of 4)

New test datastore path

C:\TestManagerTutorial\TestDatastore

Sybase SQLAnywhere database attributes

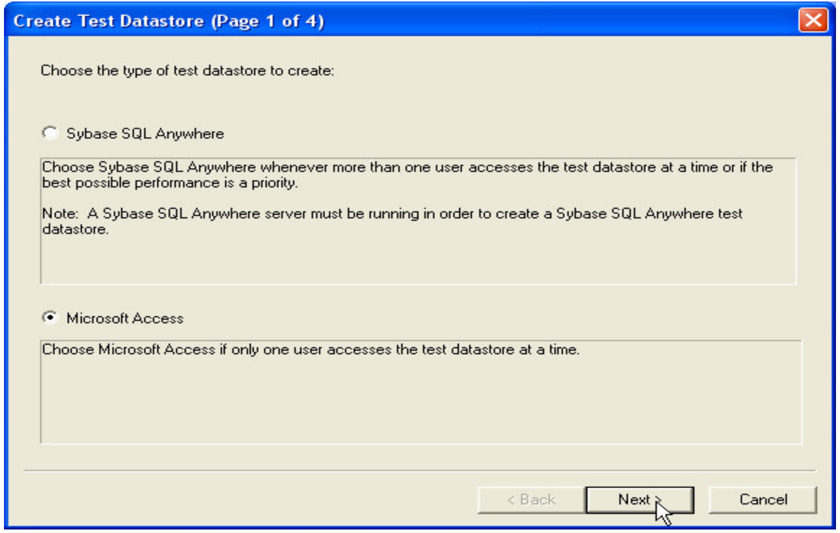
Database server name:

Protocols

☑ TCPIP □ SPX □ Named Pipes

Host Names\IP Addresses (e.g. address1, address2, ..)

- For this Tutorial, MS Access will be sufficient, however for projects involving more than one person, Rational recommends using Sybase SQL Anywhere.



Create Test Datastore (Page 1 of 4)

Choose the type of test datastore to create:

○ Sybase SQL Anywhere

Choose Sybase SQL Anywhere whenever more than one user accesses the test datastore at a time or if the best possible performance is a priority.

Note: A Sybase SQL Anywhere server must be running in order to create a Sybase SQL Anywhere test datastore.

● Microsoft Access

Choose Microsoft Access if only one user accesses the test datastore at a time.

- Accept the default and close Rational Administrator.

Overview of Sample Application

A Quick tour of Classics Online

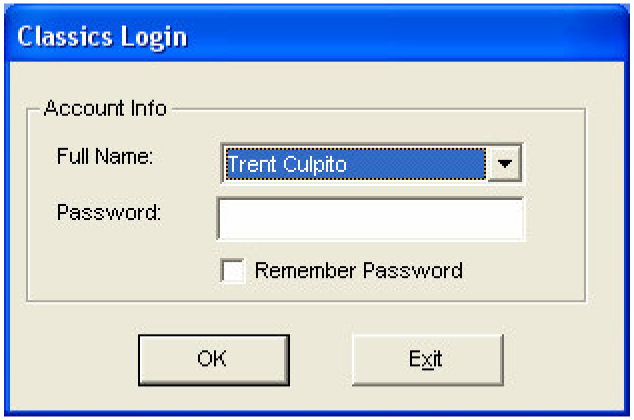
A Quick tour of Classics Online

- Classics Online is a sample application we will be using to plan and run our Tests on.

- You need not have the sample installed for this tutorial, but if you want to, you can install it by clicking
  Start > Programs > Rational Software > Rational Test > Set up Rational Test Samples

A Quick tour of Classics Online

- Classics Online is a simulation of an online store where you can buy classic CDs.
- (Start Classics Online by clicking: Start > Rational Test Samples > ClassicsA)
- As soon as you start the application, a log in screen is displayed

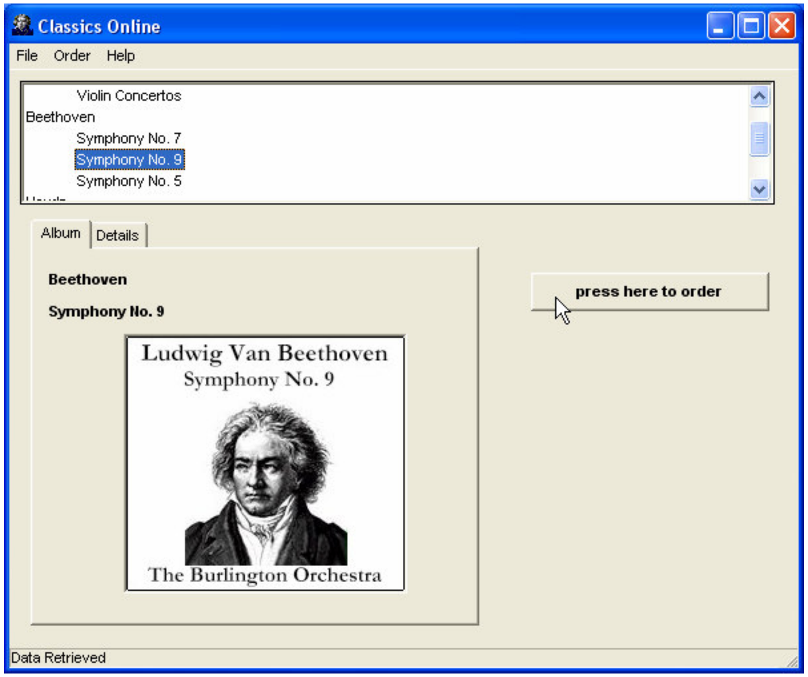


Full Name: Trent Culpito

Password:

□ Remember Password

- After logging in, the following Main Window is brought up



Violin Concertos
Beethoven
Symphony No. 7
Symphony No. 9
Symphony No. 5

Beethoven

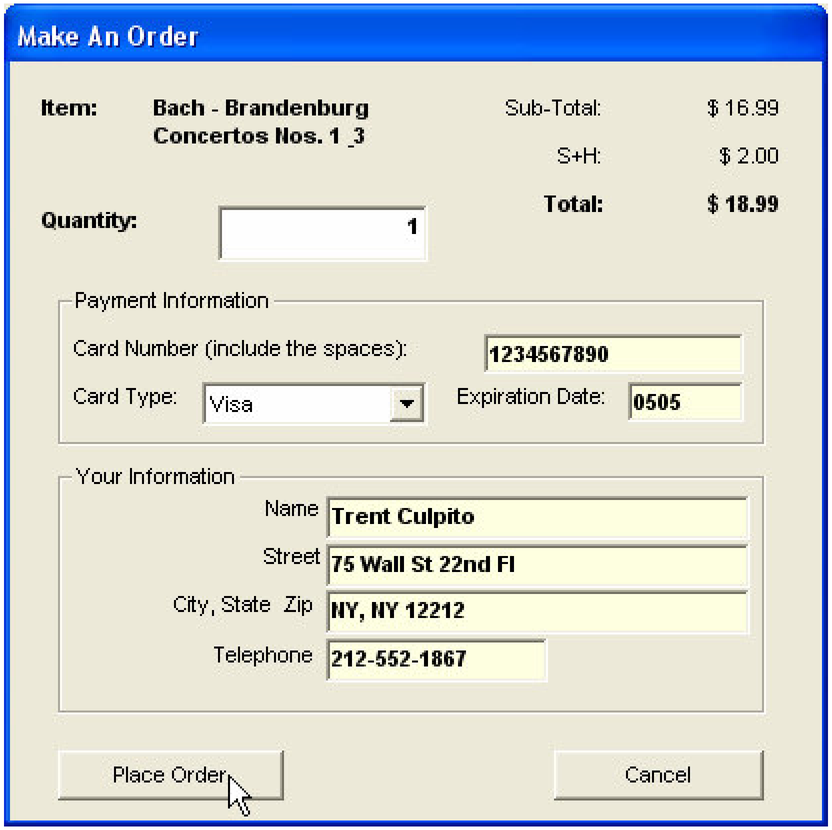
Symphony No. 9

Ludwig Van Beethoven
Symphony No. 9
The Burlington Orchestra

Data Retrieved

A Quick tour of Classics Online

- If you select a CD and click the ”Press here to order” button, the following Order Window is displayed



Make An Order

Item:	Bach - Brandenburg Concertos Nos. 1_3	Sub-Total:	$ 16.99
		S+H:	$ 2.00
Quantity:	1	**Total:**	**$ 18.99**

Payment Information

Card Number (include the spaces): 1234567890

Card Type: Visa

Expiration Date: 0505

Your Information

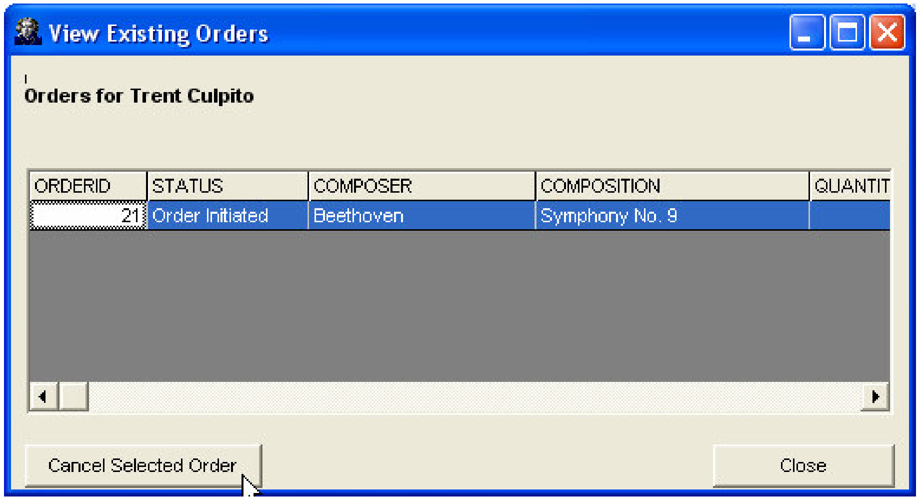
Name: Trent Culpito

Street: 75 Wall St 22nd Fl

City, State Zip: NY, NY 12212

Telephone: 212-552-1867

- After placing an order, you can view a summary of your orders from the main window by clicking Order > View Existing Order Status…



View Existing Orders

Orders for Trent Culpito

ORDERID	STATUS	COMPOSER	COMPOSITION	QUANTIT
21	Order Initiated	Beethoven	Symphony No. 9	

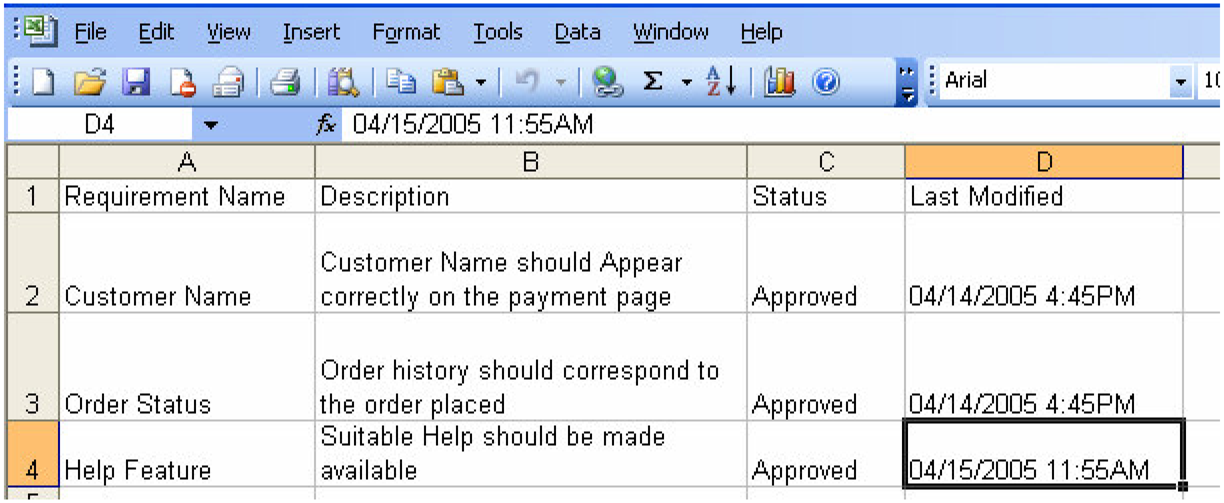
Rational TestManager

Creating The Test Plan

Creating The Test Plan

Specifying Inputs to Test Inputs

- Rational TestManager can retrieve Requirements from both Microsoft Excel as well as Rational RequisitePro. As implementing requirements through RequisitePro is beyond the scope of this tutorial, we will be using Excel.
- Open up Microsoft Excel and create 4 columns called “Requirement Name”, “Description”, “Status” and “Last Modified” and set the formatting on the last column to a format supporting Data and Time. Fill up the table as shown in the screenshot below.



	A	B	C	D
1	Requirement Name	Description	Status	Last Modified
2	Customer Name	Customer Name should Appear correctly on the payment page	Approved	04/14/2005 4:45PM
3	Order Status	Order history should correspond to the order placed	Approved	04/14/2005 4:45PM
4	Help Feature	Suitable Help should be made available	Approved	04/15/2005 11:55AM

- Save this Excel document as TestManagerTutorial_Requirement in the same location as the project (C:\TestManagerTutorial)

Creating The Test Plan

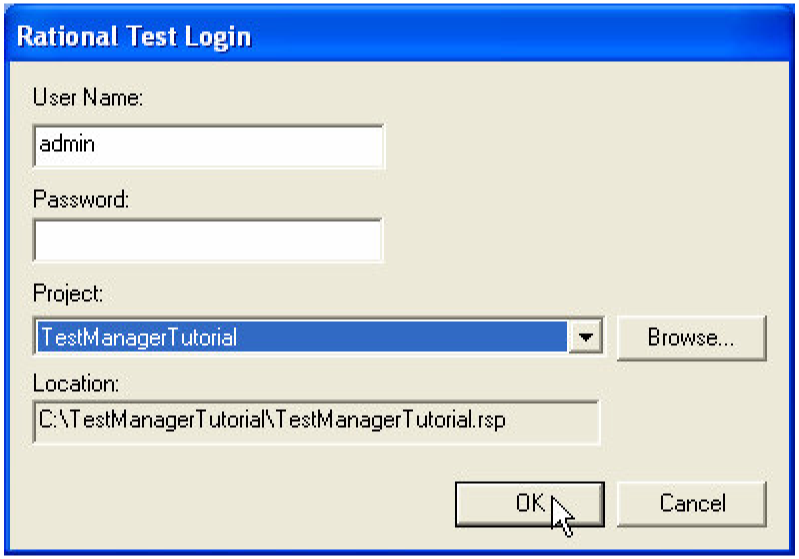
What is a Test Plan

- A test plan is the method of organizing and creating the test cases in Rational TestManager. A test plan can be created stand-alone, ie without reference to test inputs, or starting with test inputs and creating test cases for each input.
- The advantage of linking test cases and requirements (test inputs) is that we have the ability to report on test progress against the requirements.

Creating The Test Plan

Starting Rational TestManager

- Start Rational TestManager by clicking “Start > Programs > Rational Software > Rational TestManager”
- You must log into a Rational Administrator Project to continue. Select the “TestManagerTutorial” Project we created earlier.
  Projects are created with Admin user with a blank password. For this tutorial this will suffice, however on actual projects you will want to create a username and password for each member of the team.
  Just click “OK” to use the Admin username



Rational Test Login

User Name: admin

Password:

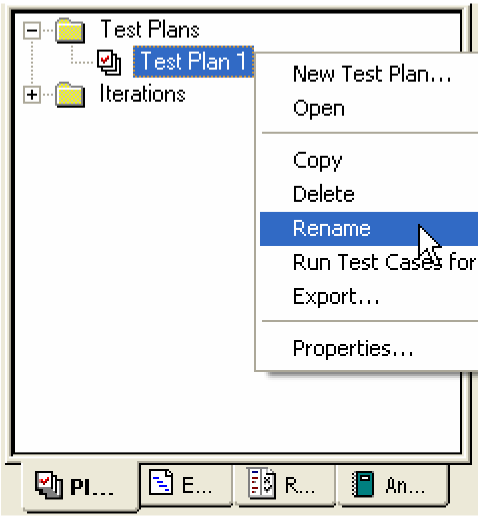
Project: TestManagerTutorial

Location: C:\TestManagerTutorial\TestManagerTutorial.rsp

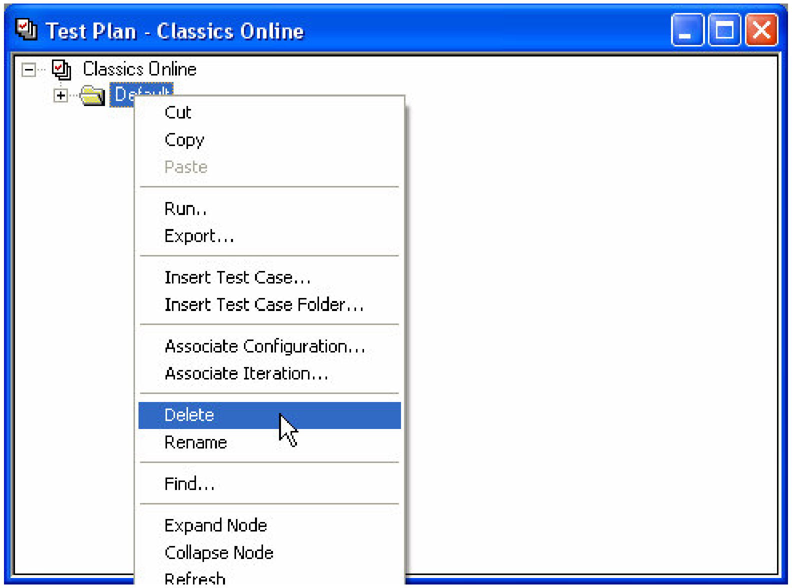
Creating The Test Plan

Creating The Test Plan Structure

- When TestManager opens, click "Plans" on the bottom of left pane.
- Expand the Test Plans folder and right click "Test Plan 1" and rename it to "Classics Online"



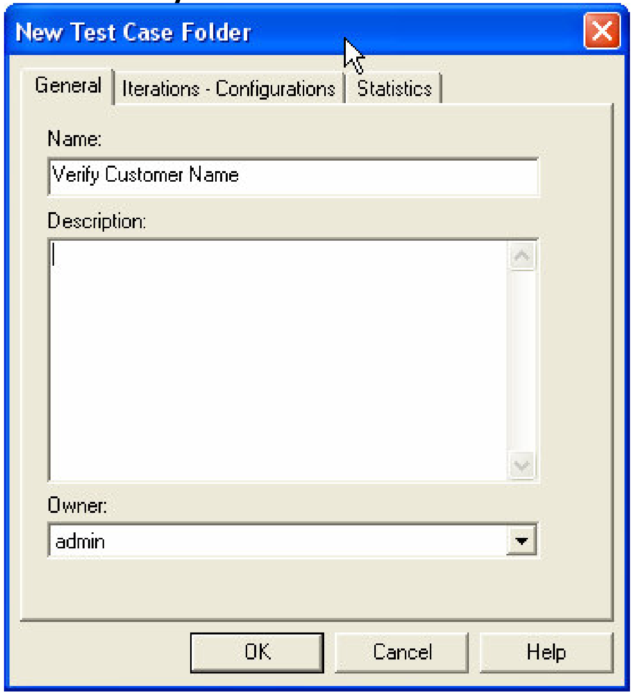
- Double click on the Test Plan to open it
- Right click on the default folder to delete it



Creating The Test Plan

Creating The Test Plan Structure

- Right click on the Test Plan name and click “Insert Test Case folder”
- Name the folder “Verify Customer Name”, enter a description and click okay



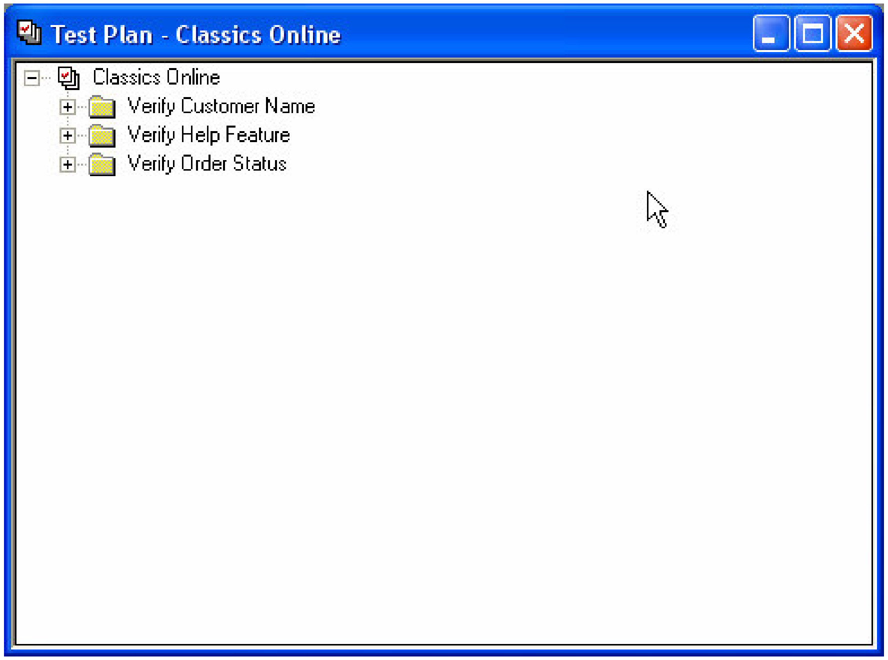
New Test Case Folder

Name: Verify Customer Name

Description:

Owner: admin

- Repeat the previous steps to create the following Test Plan Structure



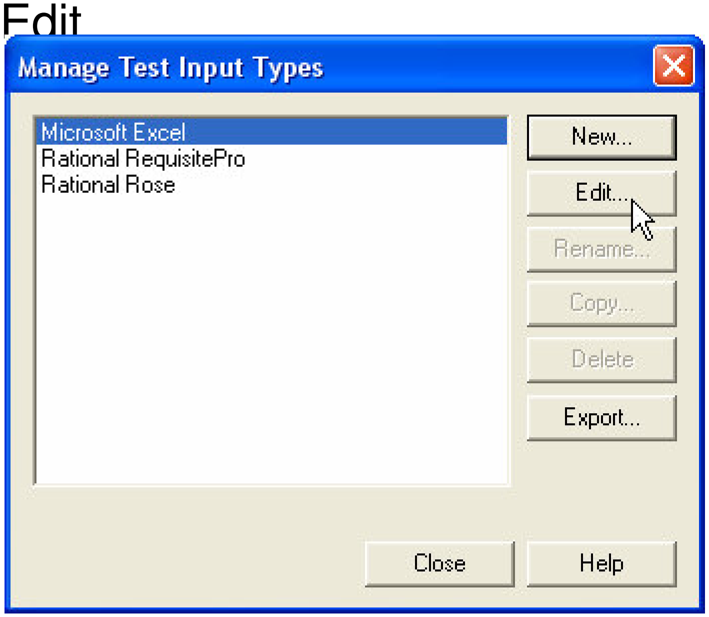
Test Plan - Classics Online

- Classics Online
  - Verify Customer Name
  - Verify Help Feature
  - Verify Order Status

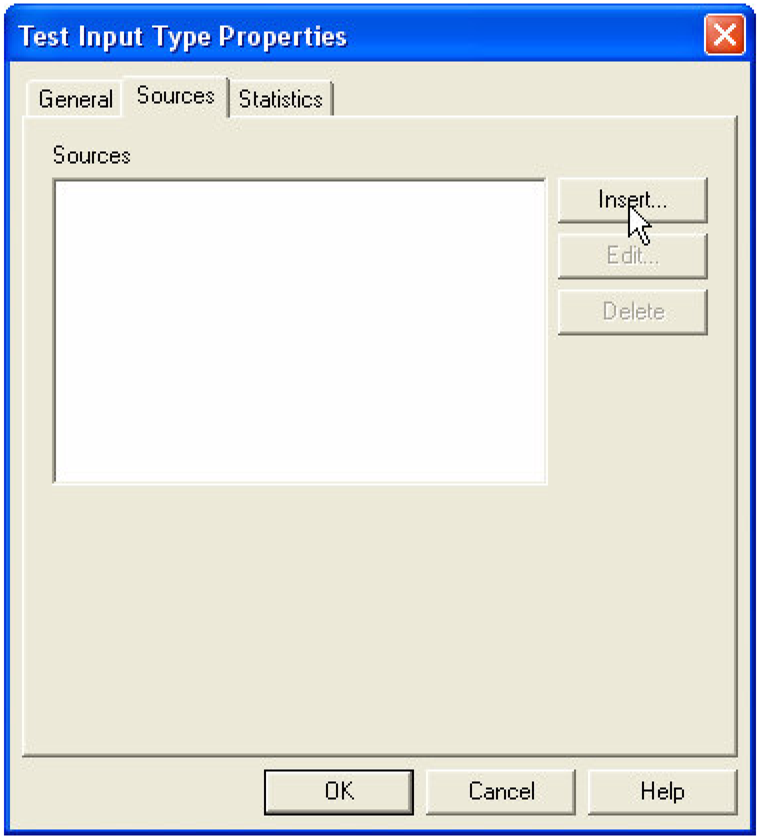
Creating The Test Plan

Connecting to the Excel Spreadsheet

- Since we used Excel to document our requirements, we need to establish the test inputs from TestMangager.
- Click Tools > Manage > Test Input Types
- Select Microsoft Excel and click Edit



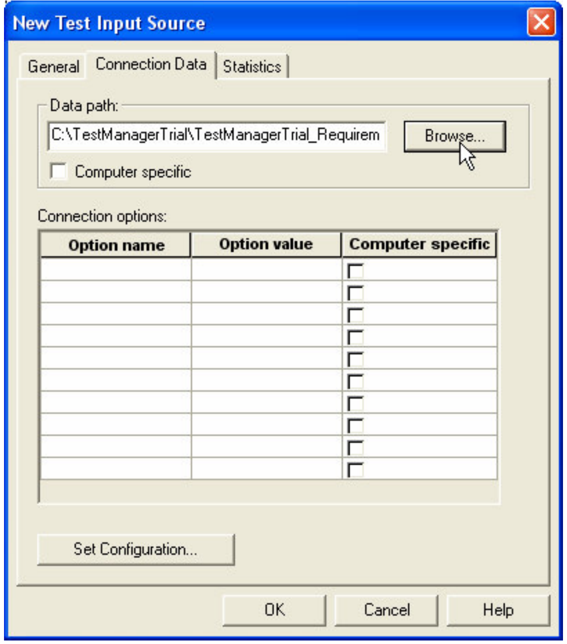
- Click the Sources Tab and Click Insert



Creating The Test Plan

Connecting to the Excel Spreadsheet

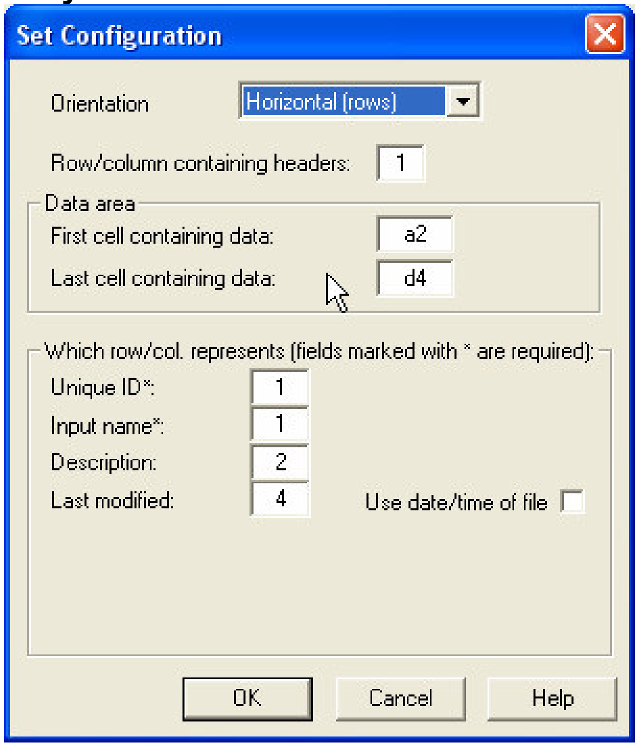
- In the New Input Source window, type the name Application Requirements
- Click the Connection Data tab and in the Data Path field, click browse, and browse to the Excel Spreadsheet we created earlier.



Data path: C:\TestManagerTrial\TestManagerTrial_Requirem

□ Computer specific

- Click the “Set Configuration” button and click yes on the Save dialog box that pops up
- Fill the dialog window with the values shown below and press okay



Orientation: Horizontal (rows)

Row/column containing headers: 1

Data area

First cell containing data: a2

Last cell containing data: d4

Which row/col. represents (fields marked with * are required):

Unique ID*: 1

Input name*: 1

Description: 2

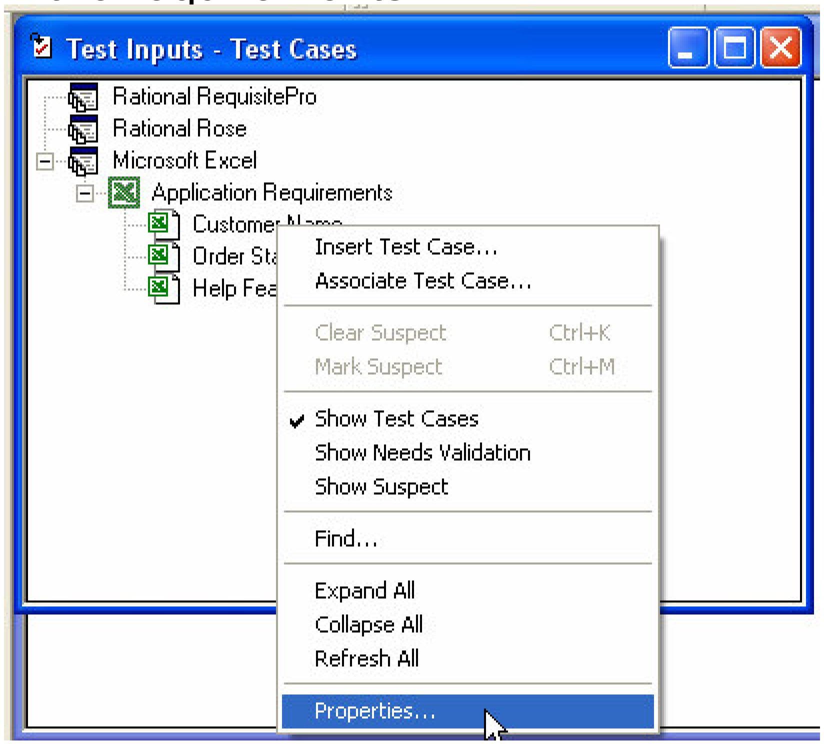
Last modified: 4

Use date/time of file □

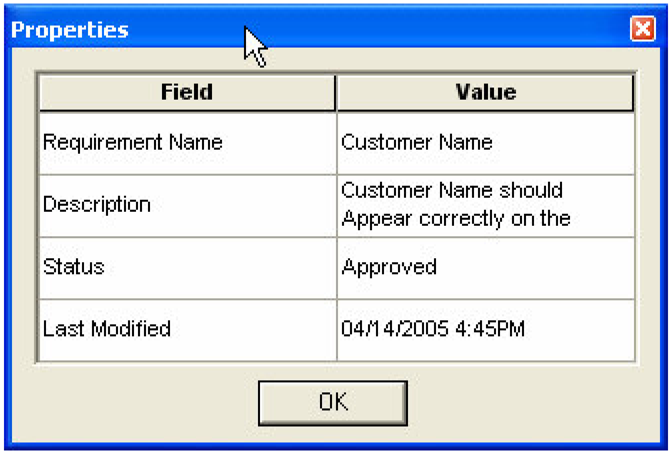
Creating The Test Plan

Viewing the Test Inputs

- To view the test inputs, Click View > Test Inputs.
- Click the "+" next to the Application Requirements to view the requirements.



- You can right click on a requirement and click properties to view its details

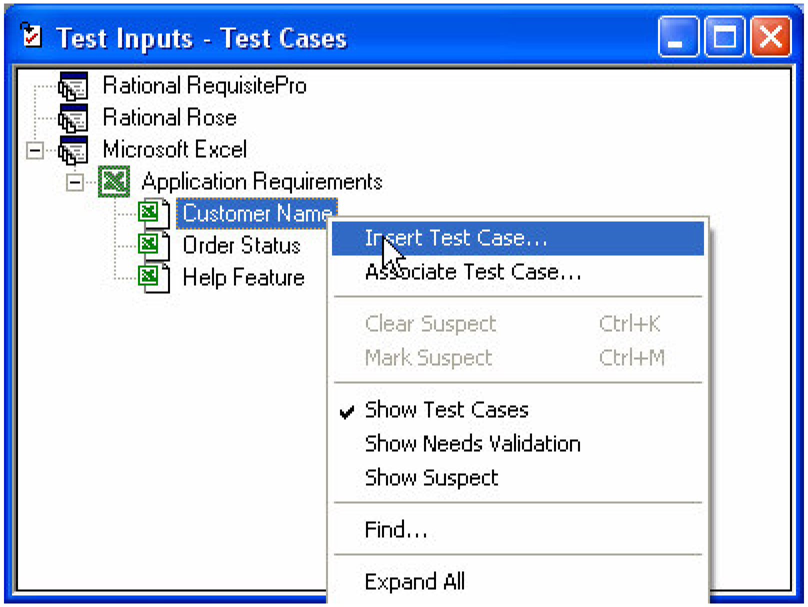


Field	Value
Requirement Name	Customer Name
Description	Customer Name should Appear correctly on the
Status	Approved
Last Modified	04/14/2005 4:45PM

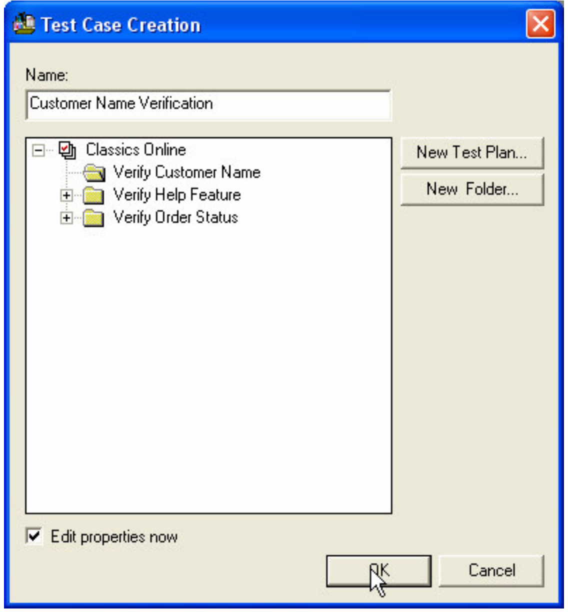
Creating The Test Plan

Creating the Test Cases

- Test Cases hold information about the tests to execute. Right click on the “Customer Name” requirement and click “Insert Test Case”.



- Type in a name (Customer Name Verification) and select the “Verify Customer Name” Test Case Folder
- Ensure that the “Edit Properties Now” checkbox is checked and click OK.



Test Case Creation

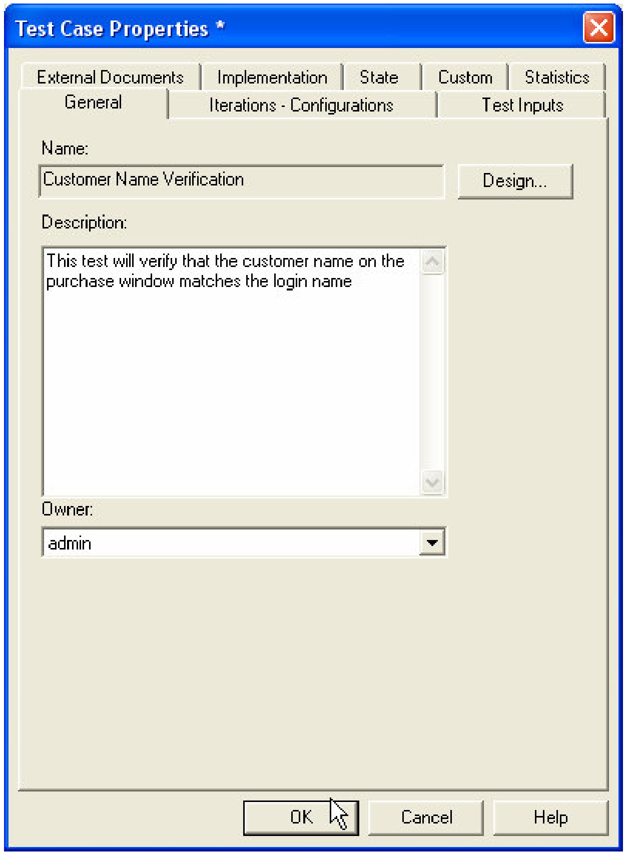
Name: Customer Name Verification

☑ Edit properties now

Creating The Test Plan

Creating the Test Cases

- Enter a brief description of the test case and click OK to save the test case.

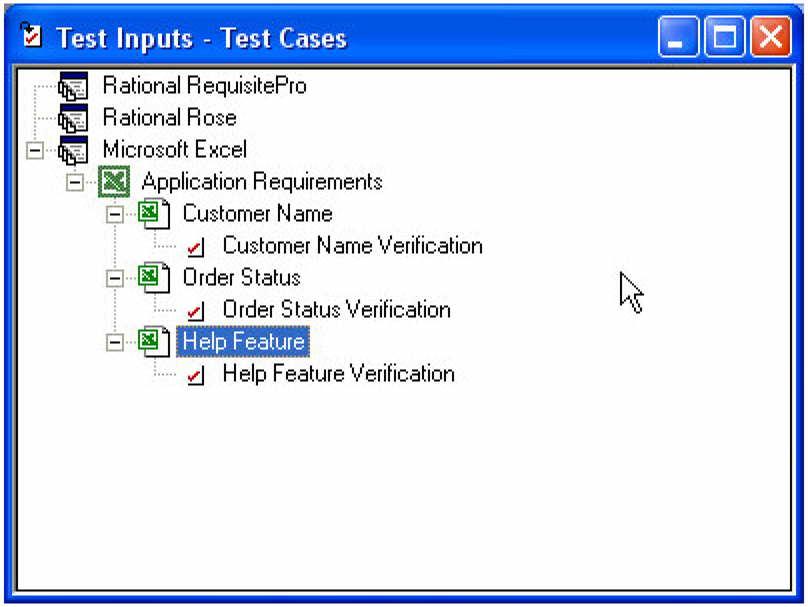


Name: Customer Name Verification

Description: This test will verify that the customer name on the purchase window matches the login name

Owner: admin

- The test case opens beneath the requirement. Repeat this procedure for the other two requirements to have something like the following screenshot



- Rational RequisitePro
- Rational Rose
- Microsoft Excel
  - Application Requirements
    - Customer Name
      - Customer Name Verification
    - Order Status
      - Order Status Verification
    - Help Feature
      - Help Feature Verification

Rational TestManager

Creating a Test Script

Creating the Test Script

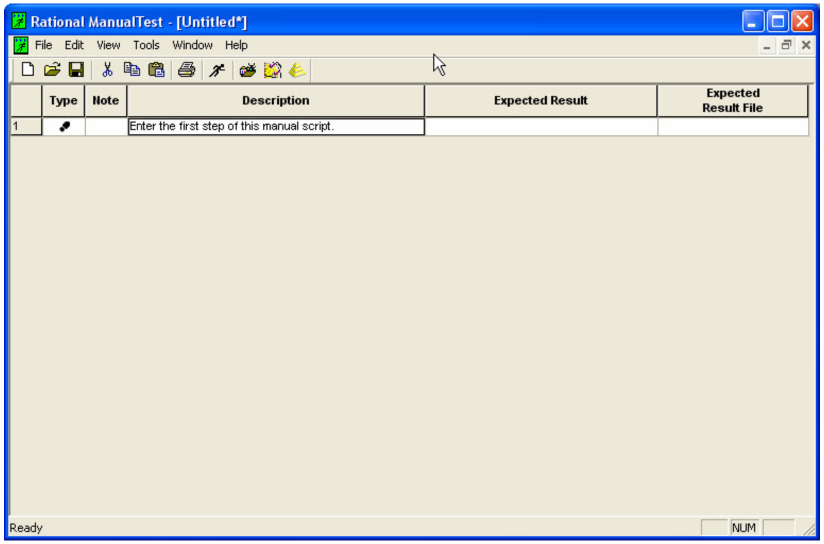
Test Implementation Type

- TestManager allows you to attach a whole array of Test Scripts to your test cases.
- Test Scripts can be automated scripts written in Rational Robot or Functional tester, or even custom tests written in Java, Visual Basic, or any language that can be executed from the command line.
- Test Scripts can also be Manual scripts that contain a description of steps to perform and verification points that determine whether the test passed or failed.
- We will be using Rational ManualTest for this tutorial.

Creating the Test Script

Manual Test Script

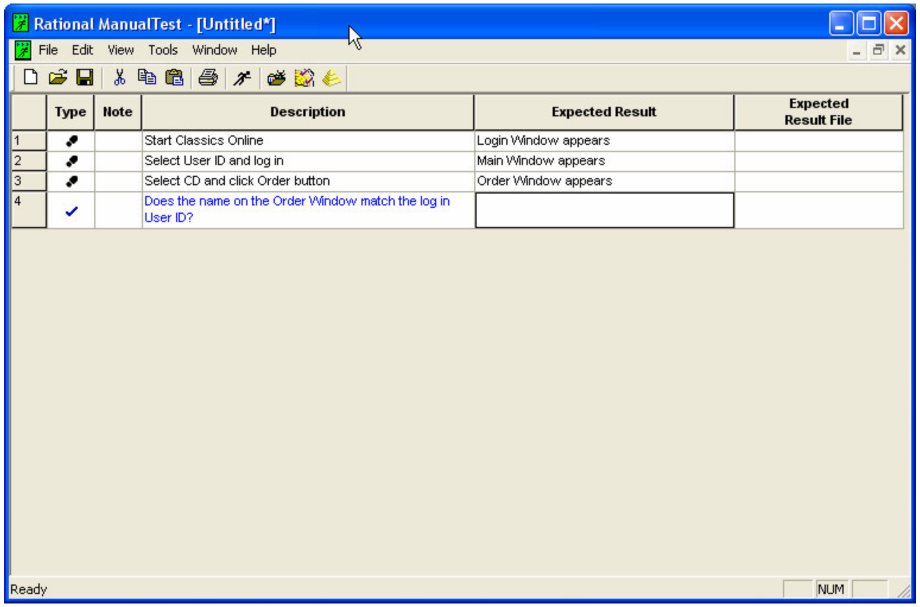
- Open Rational ManualTest by clicking Tools > Rational Test > Rational Manual Test.



	Type	Note	Description	Expected Result	Expected Result File
1	👣		Enter the first step of this manual script.		

- Steps/Procedures are indicated with black text with a shoe-step icon on the "Type" column, and Verification points have blue text with a check mark on the Type Column

- Type in the steps required to verify the UserID in Classics Online. (Refer to the screenshot below)
- When a step ends with a "?" it is automatically converted to a verification point.
- To change type manually, click on the type field.

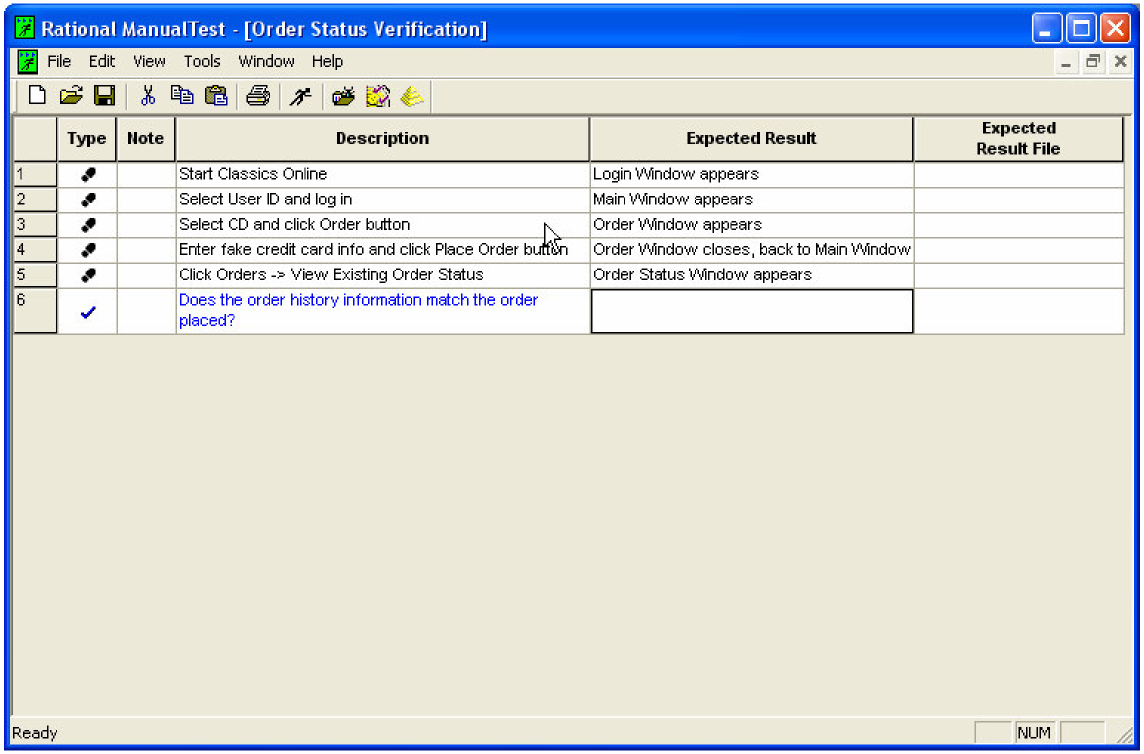


	Type	Note	Description	Expected Result	Expected Result File
1	👣		Start Classics Online	Login Window appears	
2	👣		Select User ID and log in	Main Window appears	
3	👣		Select CD and click Order button	Order Window appears	
4	✓		Does the name on the Order Window match the log in User ID?		

Creating the Test Script

Manual Test Script

- Save the script by clicking File > Save and enter the name as “Customer Name Verification”
- Now write a new script (like the one shown below), and save it as “Order Status Verification”

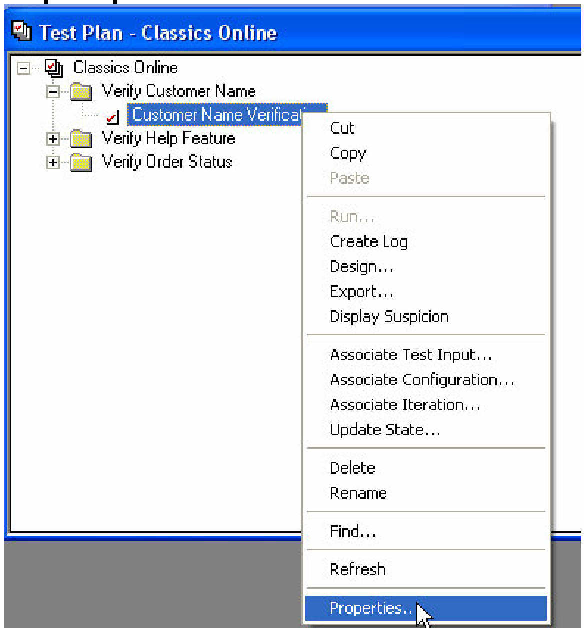


	Type	Note	Description	Expected Result	Expected Result File
1	✎		Start Classics Online	Login Window appears	
2	✎		Select User ID and log in	Main Window appears	
3	✎		Select CD and click Order button	Order Window appears	
4	✎		Enter fake credit card info and click Place Order button	Order Window closes, back to Main Window	
5	✎		Click Orders -> View Existing Order Status	Order Status Window appears	
6	✓		Does the order history information match the order placed?		

Creating the Test Script

Implementing the Test Case

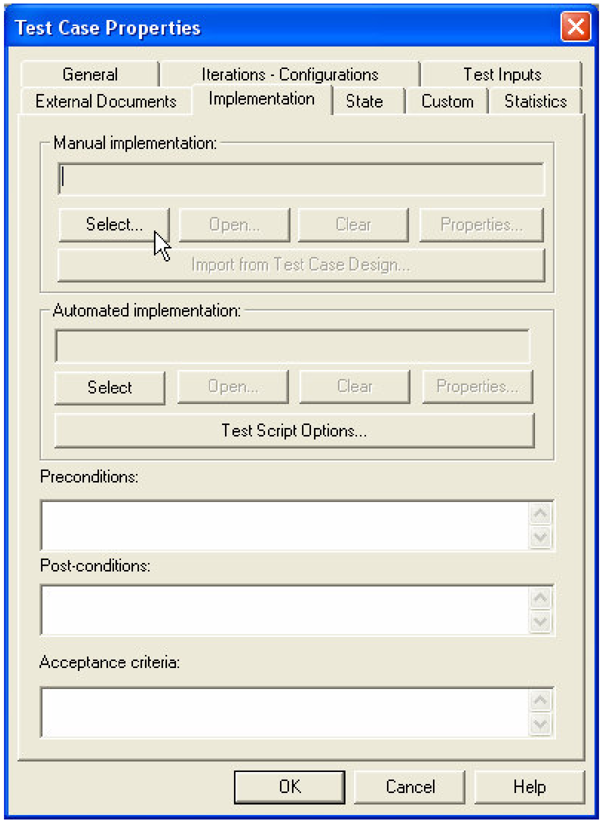
- Now, we can attach or Test Script to a test case. This is known as **implementing the Test Case.**
- Open the Test Plan Window again
- Right click on the Test Case "Customer Name Verification" and select properties.



Test Plan - Classics Online

Classics Online
Verify Customer Name
Customer Name Verificat
Verify Help Feature
Verify Order Status

- Click on the Implementation Tab and click Select in the Manual Implementation group.

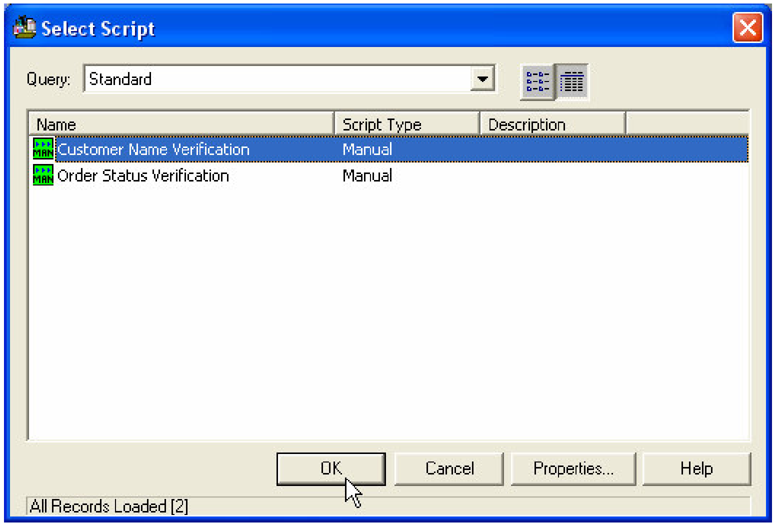


Test Case Properties

Creating the Test Script

Implementing the Test Case

- In the Select Script window, click on the “Customer Name Verification” script and click OK.



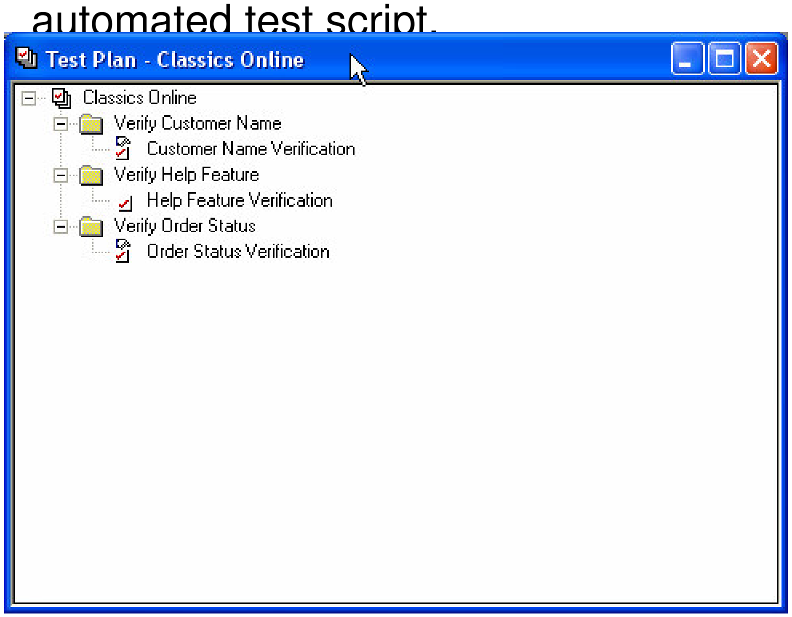
Select Script

Query: Standard

Name	Script Type	Description
Customer Name Verification	Manual	
Order Status Verification	Manual	

All Records Loaded [2]

- Now repeat the same for the “Order Status Verification” script.
- You should end up with the Test Plan window looking like the following screenshot.
- The “pointing finger” icon refers to a manual script attached to the test case, while a “gear” icon shows a automated test script.



Test Plan - Classics Online

- Classics Online
  - Verify Customer Name
    - Customer Name Verification
  - Verify Help Feature
    - Help Feature Verification
  - Verify Order Status
    - Order Status Verification

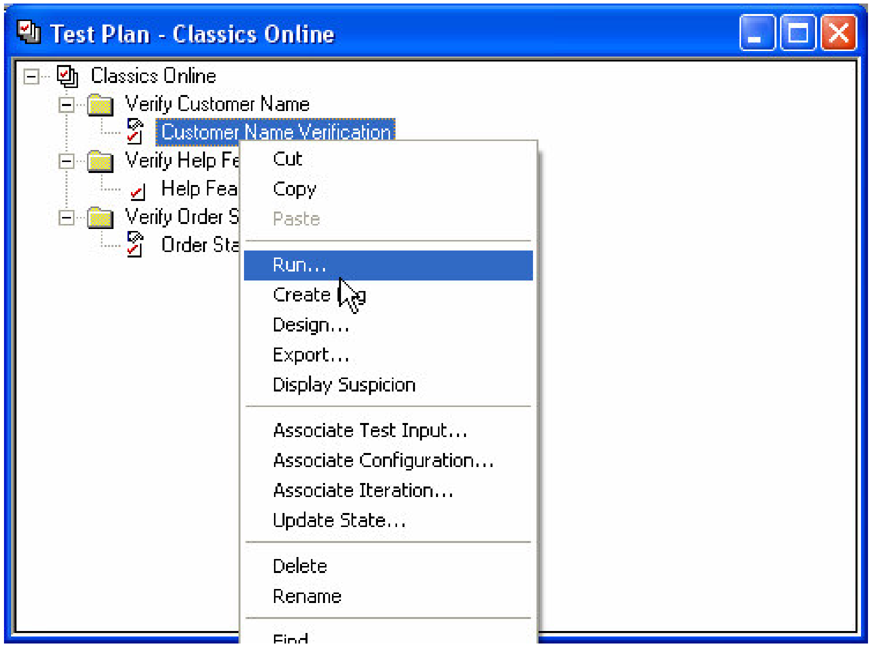
Rational TestManager

Executing the Test Script

Executing the Test Script

Single Test Case Execution

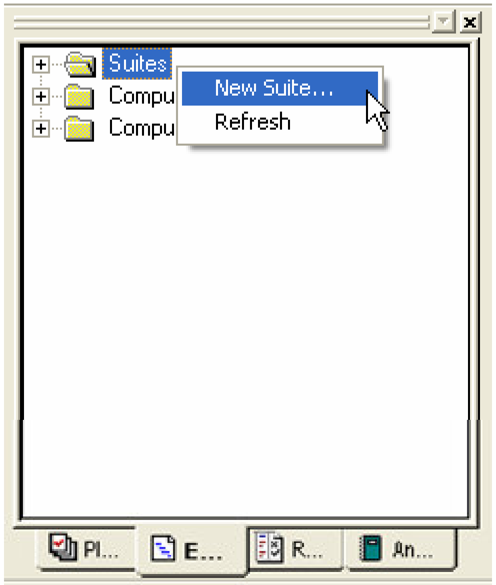
- You can run a single test script by itself. This is good for a quick execution of a small number of test cases.
- (Do not do this now) You can do this by simply right clicking a test case and clicking Run…
- However, for a more efficient solution to testing your application, you can create a “Test Suite” that will run tests for multiple Test Cases



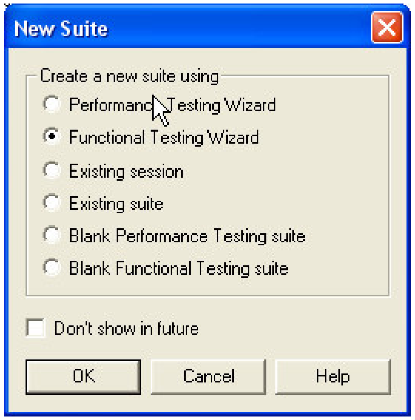
Executing the Test Script

Creating a Test Suite

- To create a Test Suite, click the “Execution” tab on the left pane.
- Right click on the Suites folder and click “New Suite…”



- On the window that opens, select “Functional Testing Wizard” and click OK.

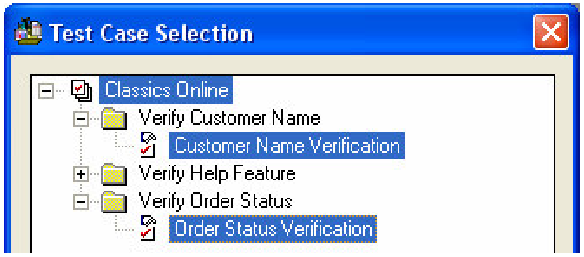

New Suite

Create a new suite using

○ Performance Testing Wizard
● Functional Testing Wizard
○ Existing session
○ Existing suite
○ Blank Performance Testing suite
○ Blank Functional Testing suite

□ Don't show in future

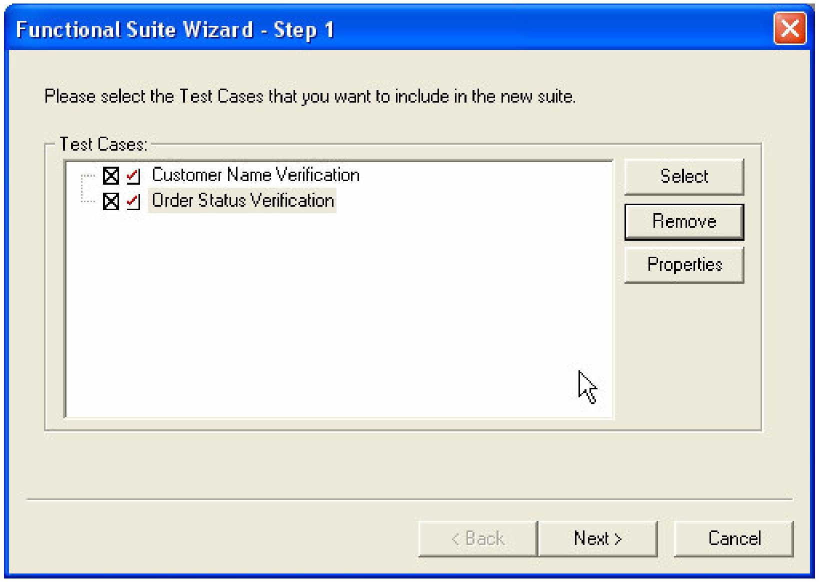
- Click the Select button on the Step 1 Window and on the Test Case Selection Window, select our to test cases with scripts attached to them and click “OK”


Test Case Selection

Executing the Test Script

Creating a Test Suite

- You should come back to the Step 1 Window looking like the following:



Functional Suite Wizard - Step 1

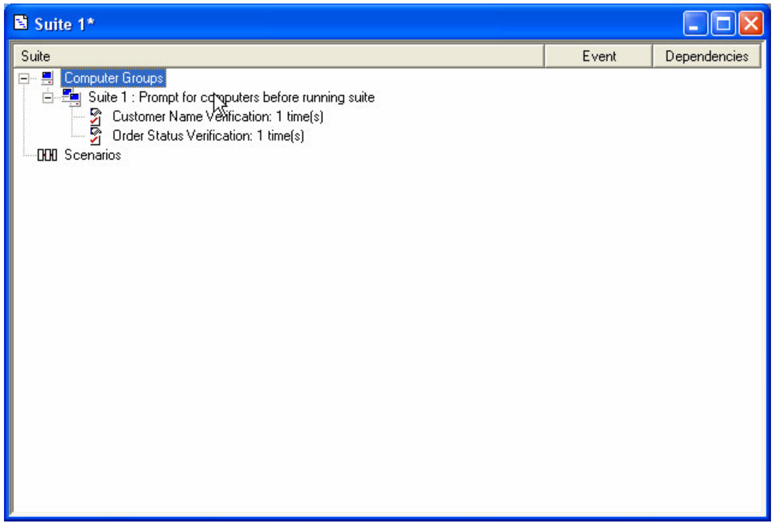
Please select the Test Cases that you want to include in the new suite.

Test Cases:

☒ Customer Name Verification

☒ Order Status Verification

- Click “Next” on the Step 2 window as we do not need to attach any stand alone scripts.
- Click “Finish” on the Step 3 window. The script will be created as follows:



Suite 1*

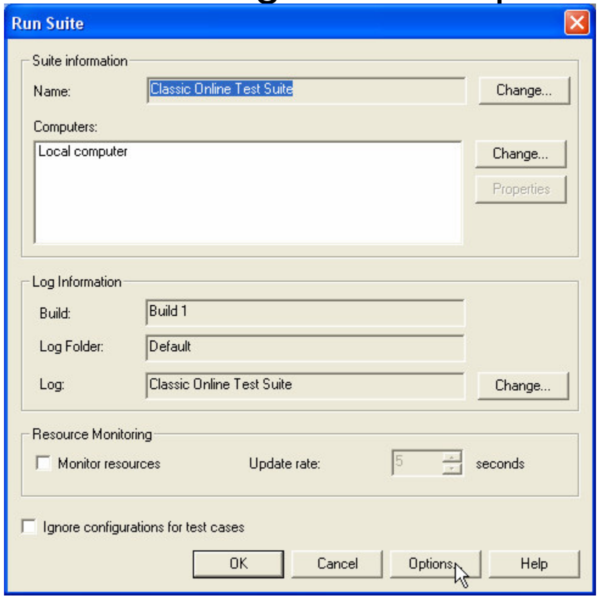
Suite	Event	Dependencies
Computer Groups		
Suite 1 : Prompt for computers before running suite		
Customer Name Verification: 1 time(s)		
Order Status Verification: 1 time(s)		
Scenarios		

- Click File > Save and enter the name “Classic Online Test Suite”

Executing the Test Script

Running the Test Suite

- To run the test suite, click on the toolbar button that looks like a running man
- The following window opens:



Run Suite

Suite information

Name: Classic Online Test Suite

Computers: Local computer

Log Information

Build: Build 1

Log Folder: Default

Log: Classic Online Test Suite

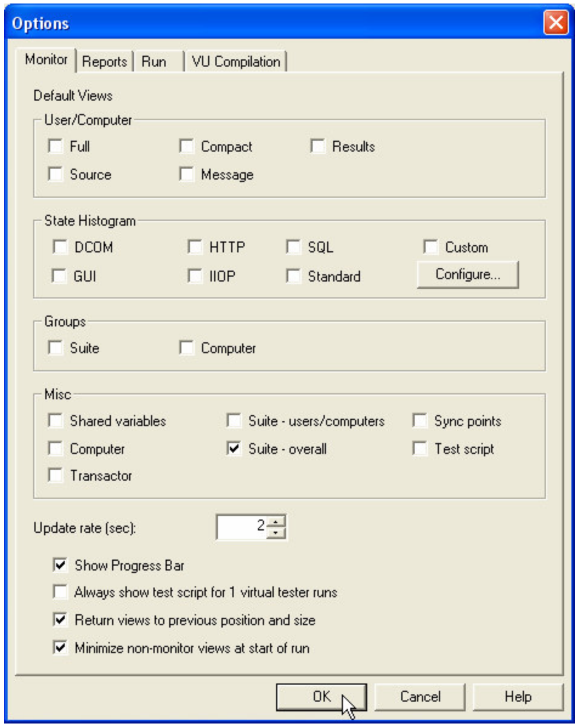
Resource Monitoring

□ Monitor resources   Update rate: 5 seconds

□ Ignore configurations for test cases

- Click the “Options” button

- Make sure the options are set according to the following screen-shot



Options

Monitor | Reports | Run | VU Compilation

Default Views

User/Computer

□ Full   □ Compact   □ Results

□ Source   □ Message

State Histogram

□ DCOM   □ HTTP   □ SQL   □ Custom

□ GUI   □ IIOP   □ Standard

Groups

□ Suite   □ Computer

Misc

□ Shared variables   □ Suite - users/computers   □ Sync points

□ Computer   ☑ Suite - overall   □ Test script

□ Transactor

Update rate (sec): 2

☑ Show Progress Bar

□ Always show test script for 1 virtual tester runs

☑ Return views to previous position and size

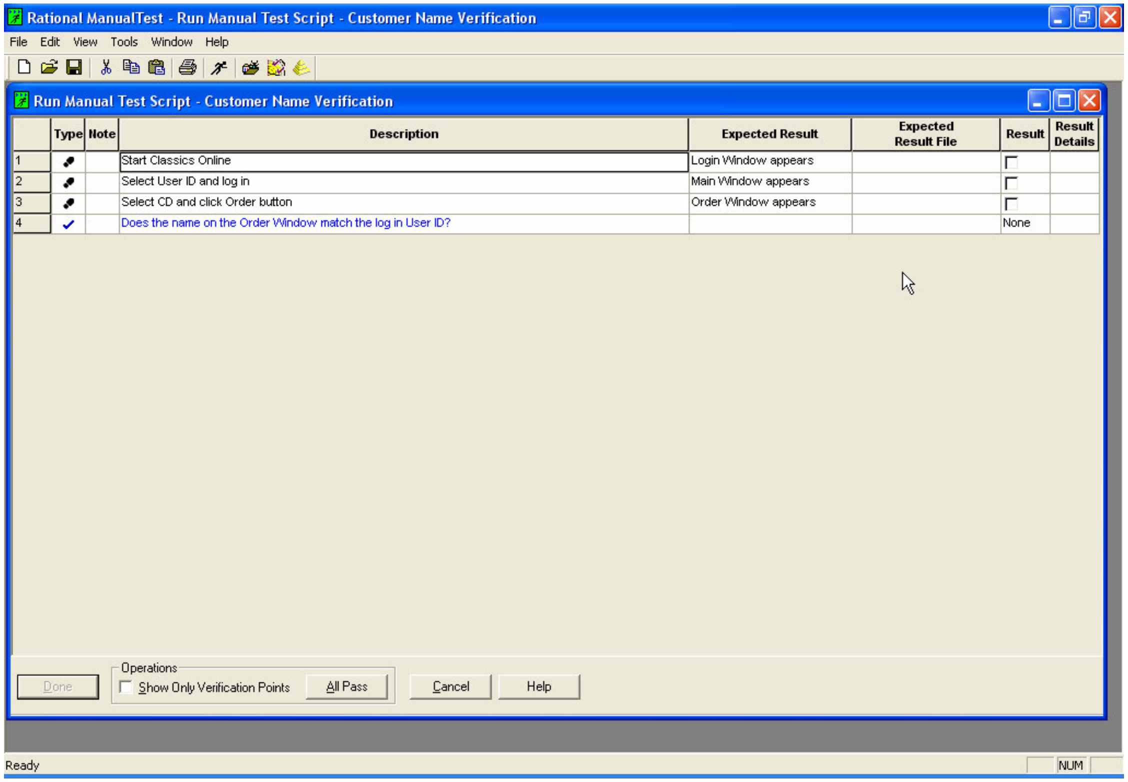
☑ Minimize non-monitor views at start of run

- Click “OK” on the Options window and on the Test Suite window to begin running the suite

Executing the Test Script

Running the Manual Test

- This brings up the first ManualTest script.



Rational ManualTest - Run Manual Test Script - Customer Name Verification
File Edit View Tools Window Help
Run Manual Test Script - Customer Name Verification
Done
Operations
Show Only Verification Points
All Pass
Cancel
Help
Ready
NUM

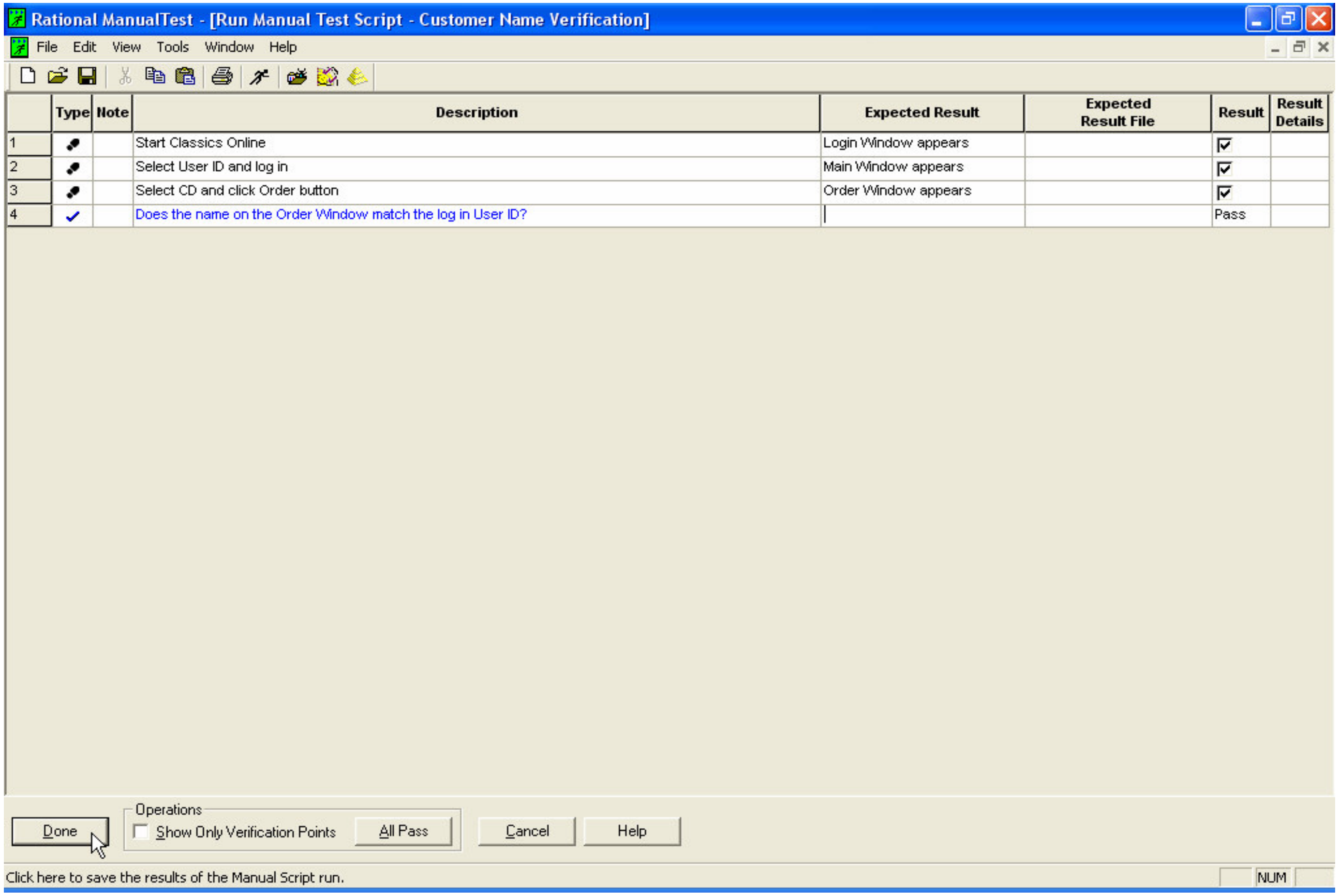
	Type	Note	Description	Expected Result	Expected Result File	Result	Result Details
1			Start Classics Online	Login Window appears		□	
2			Select User ID and log in	Main Window appears		□	
3			Select CD and click Order button	Order Window appears		□	
4	✓		Does the name on the Order Window match the log in User ID?			None	

- Normally, we would perform each step with the program to be tested, marking each verification as pass or failed, but for our tutorial, let us simple pretend we have actually done each step

Executing the Test Script

Running the Manual Test

- On the First ManualTest script, mark each step with a check mark under results, and the verification point as Pass as shown and click done.



Rational ManualTest - [Run Manual Test Script - Customer Name Verification]

	Type	Note	Description	Expected Result	Expected Result File	Result	Result Details
1	●		Start Classics Online	Login Window appears		☑	
2	●		Select User ID and log in	Main Window appears		☑	
3	●		Select CD and click Order button	Order Window appears		☑	
4	✓		Does the name on the Order Window match the log in User ID?			Pass	

Operations

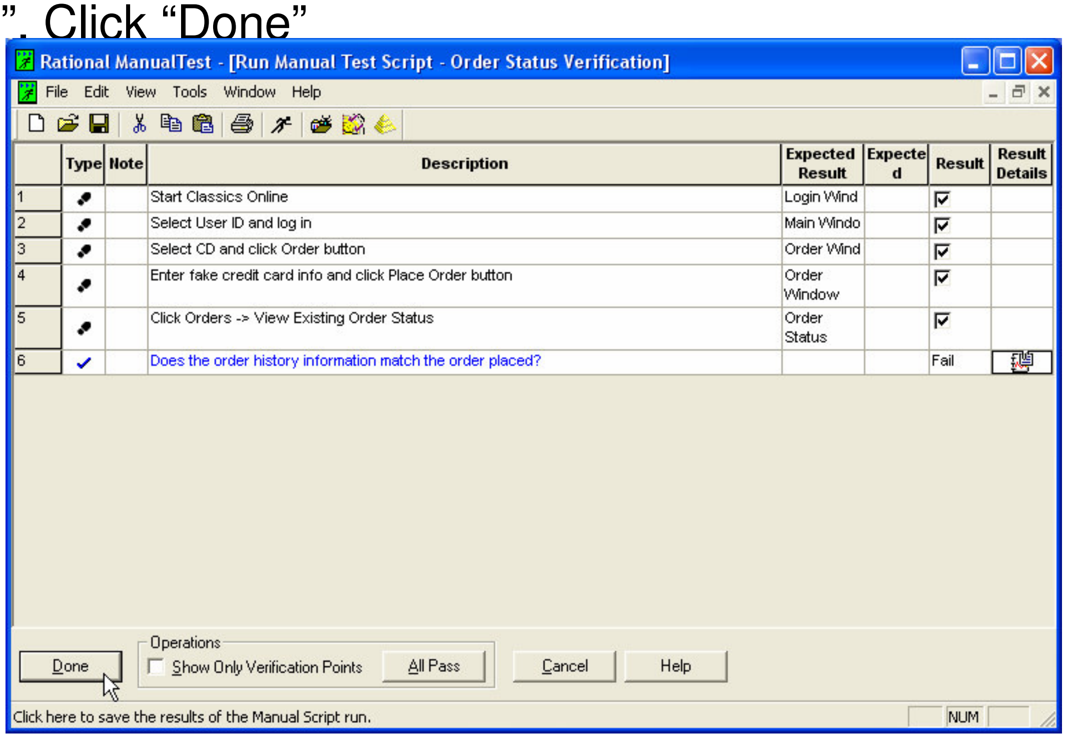
□ Show Only Verification Points

Click here to save the results of the Manual Script run.

Executing the Test Script

Running the Manual Test

- On the Second ManualTest script, mark each step with a check mark under results, but mark the verification point as **Fail** as shown.
- Under Result Details, fill out a detail like “The order history did not match the order”. Click “Done”


Rational ManualTest - [Run Manual Test Script - Order Status Verification]
File
Edit
View
Tools
Window
Help
Done
Operations
□ Show Only Verification Points
All Pass
Cancel
Help
NUM

	Type	Note	Description	Expected Result	Expecte d	Result	Result Details
1	✎		Start Classics Online	Login Wind		☑	
2	✎		Select User ID and log in	Main Windo		☑	
3	✎		Select CD and click Order button	Order Wind		☑	
4	✎		Enter fake credit card info and click Place Order button	Order Window		☑	
5	✎		Click Orders -> View Existing Order Status	Order Status		☑	
6	✓		Does the order history information match the order placed?			Fail	

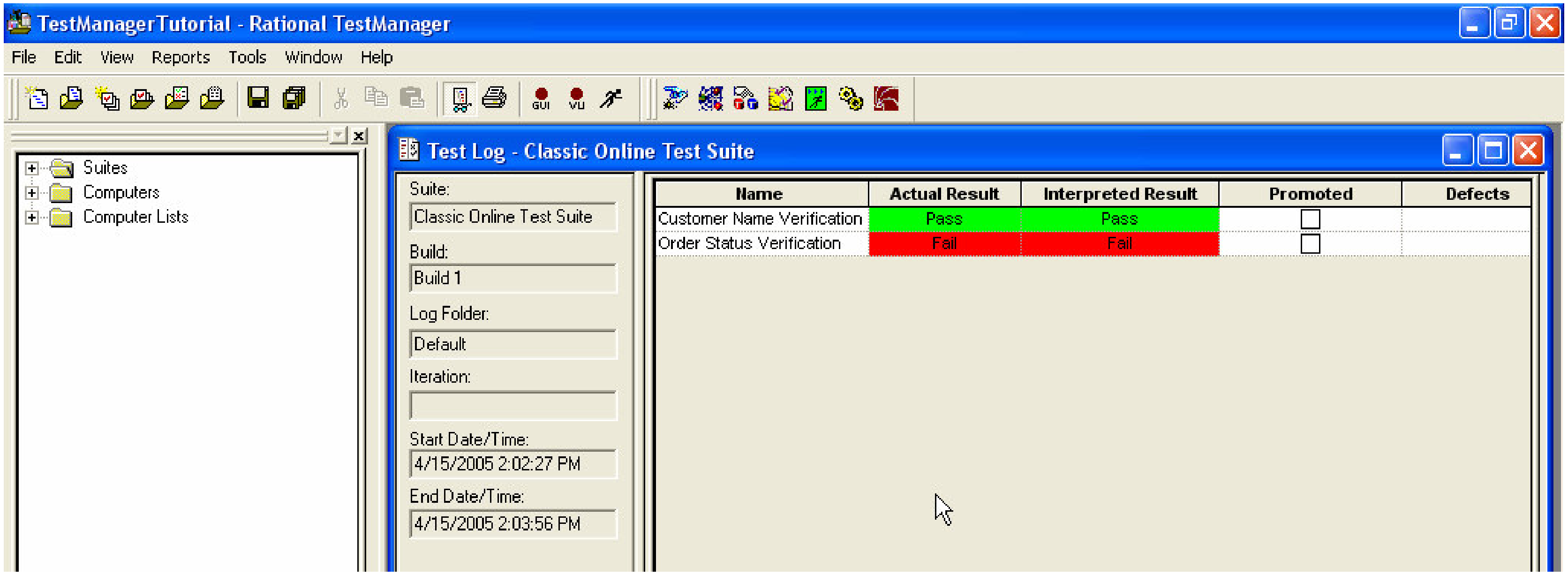
Click here to save the results of the Manual Script run.

- This will bring up the Test Log with the results displayed.

Executing the Test Script

Analyzing Test Results

- The Test Log with the result of the test will come up.
- Since one of our tests passed and the other failed, this will be reflected in the Test Log
- Even if a single verification point fails in a test, the entire test will reflect as Failed.


TestManagerTutorial - Rational TestManager
File
Edit
View
Reports
Tools
Window
Help
GUI
VU
Suites
Computers
Computer Lists
Test Log - Classic Online Test Suite

Suite: Classic Online Test Suite

Build: Build 1

Log Folder: Default

Iteration:

Start Date/Time: 4/15/2005 2:02:27 PM

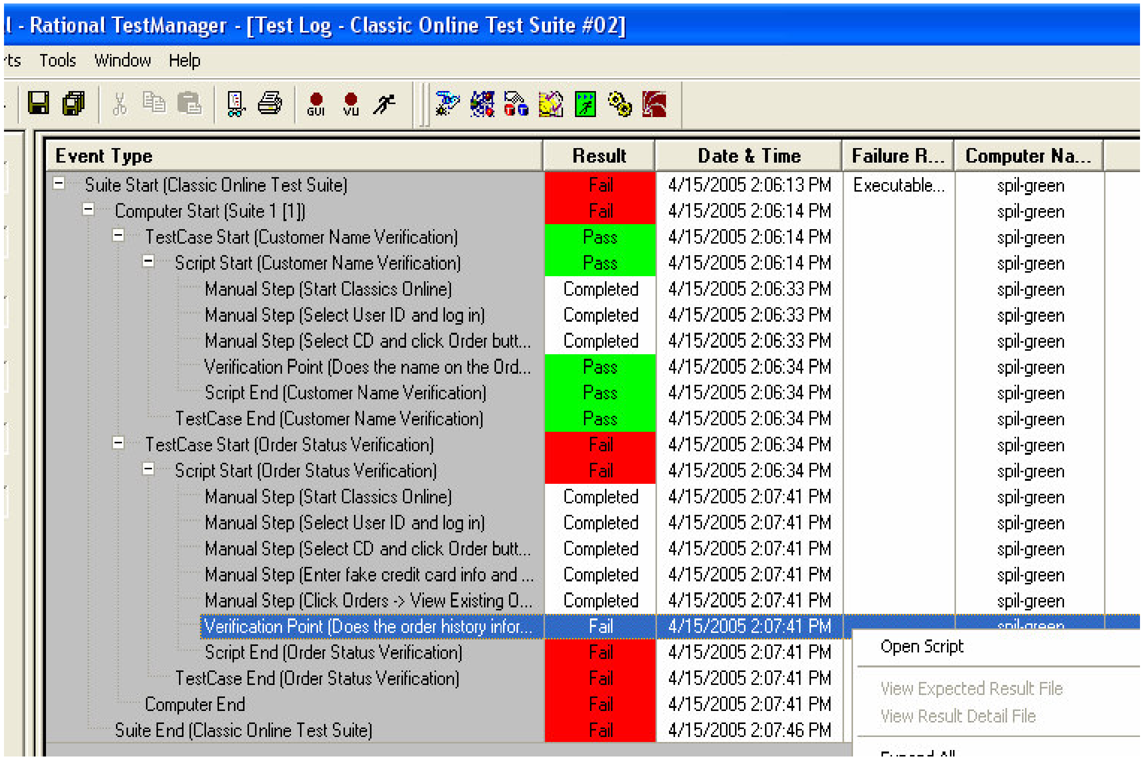
End Date/Time: 4/15/2005 2:03:56 PM

Name	Actual Result	Interpreted Result	Promoted	Defects
Customer Name Verification	Pass	Pass	□	
Order Status Verification	Fail	Fail	□	

Executing the Test Script

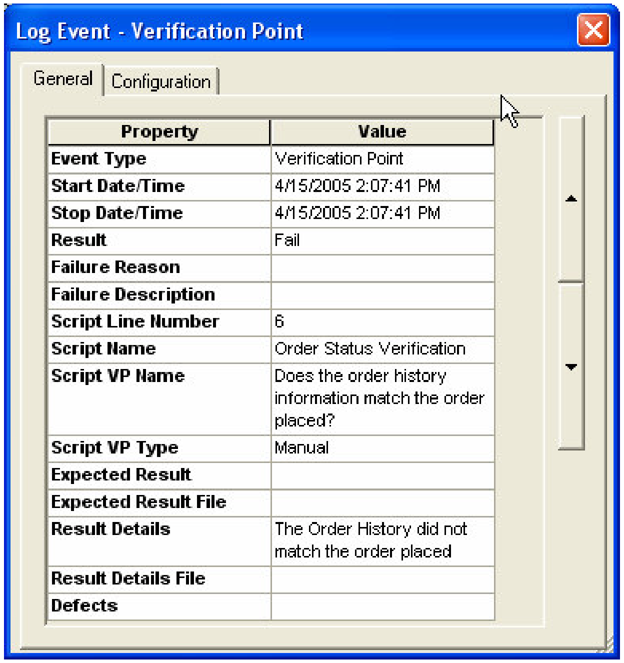
Analyzing Test Results

- Click the Details tab at the bottom of the Log.
- You can expand the test cases to see the steps and exactly which Verification point failed.
- You can also right click on a failed verification point and click properties to see the failure details.



l - Rational TestManager - [Test Log - Classic Online Test Suite #02]

Event Type	Result	Date & Time	Failure R...	Computer Na...
Suite Start (Classic Online Test Suite)	Fail	4/15/2005 2:06:13 PM	Executable...	spil-green
Computer Start (Suite 1 [1])	Fail	4/15/2005 2:06:14 PM		spil-green
TestCase Start (Customer Name Verification)	Pass	4/15/2005 2:06:14 PM		spil-green
Script Start (Customer Name Verification)	Pass	4/15/2005 2:06:14 PM		spil-green
Manual Step (Start Classics Online)	Completed	4/15/2005 2:06:33 PM		spil-green
Manual Step (Select User ID and log in)	Completed	4/15/2005 2:06:33 PM		spil-green
Manual Step (Select CD and click Order butt...	Completed	4/15/2005 2:06:33 PM		spil-green
Verification Point (Does the name on the Ord...	Pass	4/15/2005 2:06:34 PM		spil-green
Script End (Customer Name Verification)	Pass	4/15/2005 2:06:34 PM		spil-green
TestCase End (Customer Name Verification)	Pass	4/15/2005 2:06:34 PM		spil-green
TestCase Start (Order Status Verification)	Fail	4/15/2005 2:06:34 PM		spil-green
Script Start (Order Status Verification)	Fail	4/15/2005 2:06:34 PM		spil-green
Manual Step (Start Classics Online)	Completed	4/15/2005 2:07:41 PM		spil-green
Manual Step (Select User ID and log in)	Completed	4/15/2005 2:07:41 PM		spil-green
Manual Step (Select CD and click Order butt...	Completed	4/15/2005 2:07:41 PM		spil-green
Manual Step (Enter fake credit card info and ...	Completed	4/15/2005 2:07:41 PM		spil-green
Manual Step (Click Orders -> View Existing O...	Completed	4/15/2005 2:07:41 PM		spil-green
Verification Point (Does the order history infor...	Fail	4/15/2005 2:07:41 PM		spil-green
Script End (Order Status Verification)	Fail	4/15/2005 2:07:41 PM		
TestCase End (Order Status Verification)	Fail	4/15/2005 2:07:41 PM		
Computer End	Fail	4/15/2005 2:07:41 PM		
Suite End (Classic Online Test Suite)	Fail	4/15/2005 2:07:46 PM		



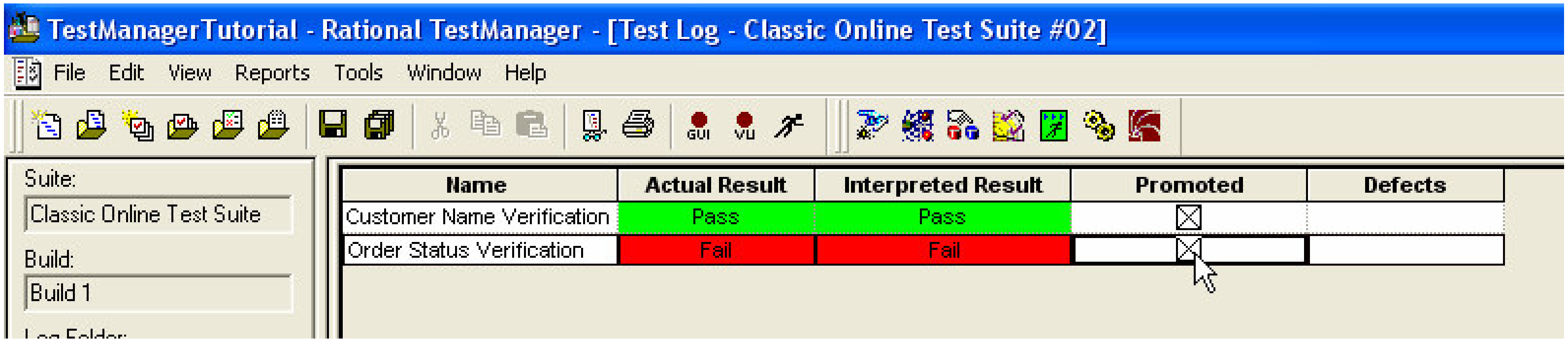
Log Event - Verification Point

Property	Value
Event Type	Verification Point
Start Date/Time	4/15/2005 2:07:41 PM
Stop Date/Time	4/15/2005 2:07:41 PM
Result	Fail
Failure Reason	
Failure Description	
Script Line Number	6
Script Name	Order Status Verification
Script VP Name	Does the order history information match the order placed?
Script VP Type	Manual
Expected Result	
Expected Result File	
Result Details	The Order History did not match the order placed
Result Details File	
Defects	

Executing the Test Script

Analyzing Test Results

- After reviewing the test results, click the “Test case Results” tab at the bottom of the Log.
- We can now promote the results for reporting. To do this check the “Promoted” check boxes.


TestManagerTutorial - Rational TestManager - [Test Log - Classic Online Test Suite #02]
File
Edit
View
Reports
Tools
Window
Help
GUI
VU

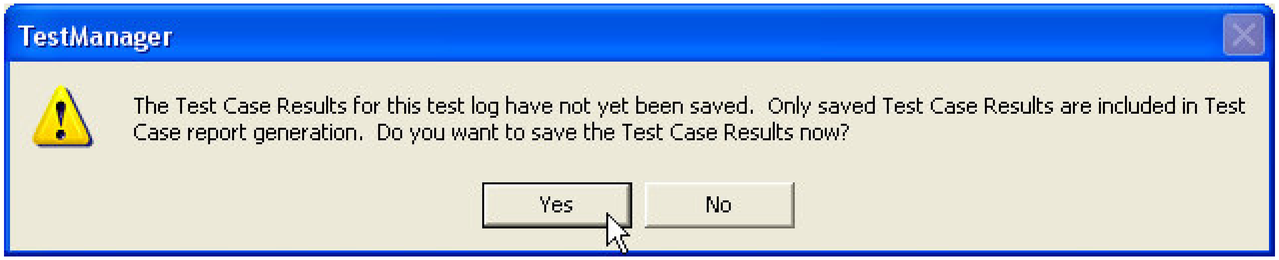
Suite:
Classic Online Test Suite

Build:
Build 1

Log Folder:

Name	Actual Result	Interpreted Result	Promoted	Defects
Customer Name Verification	Pass	Pass	☒	
Order Status Verification	Fail	Fail	☒	

- Close the Test Log, and when prompted to save the test case results, select “Yes”.



The Test Case Results for this test log have not yet been saved. Only saved Test Case Results are included in Test Case report generation. Do you want to save the Test Case Results now?

Rational TestManager

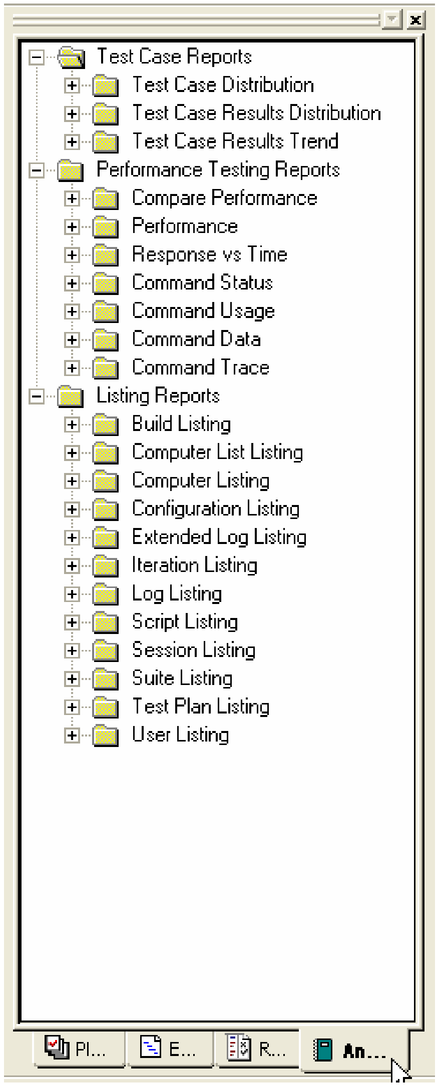
Report & Monitor Test Progress

Report & Monitor Test Progress

Predefined Reports

- TestManager has several predefined reports that can be run to keep track of testing progress and results.

- To see a list of predefined reports available, click the Analysis tab on the Left Pane

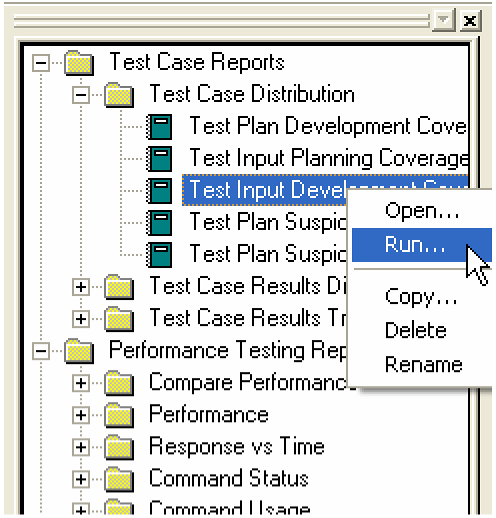


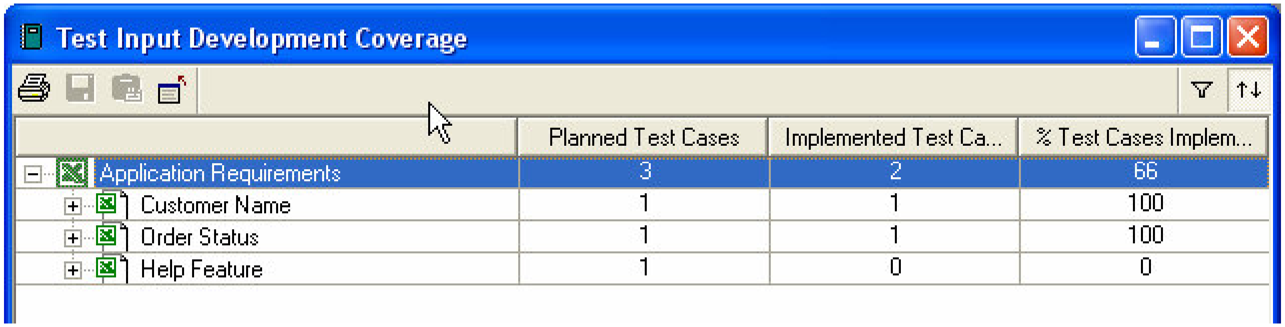
Test Case Reports
Test Case Distribution
Test Case Results Distribution
Test Case Results Trend
Performance Testing Reports
Compare Performance
Performance
Response vs Time
Command Status
Command Usage
Command Data
Command Trace
Listing Reports
Build Listing
Computer List Listing
Computer Listing
Configuration Listing
Extended Log Listing
Iteration Listing
Log Listing
Script Listing
Session Listing
Suite Listing
Test Plan Listing
User Listing

Report & Monitor Test Progress

Test Distribution Report

- Expand the folder called “Test Case Distribution”
- These reports provide information on test progress against test inputs or the test plan.
- Right click on the report titled “Test Input Development Coverage” and select Run
- This will bring up the window shown on the bottom right.
- This report shows the requirements we wrote earlier along with the number of Test Cases for each requirement and the number of these that have been implemented, ie have a Test Script associated with it.



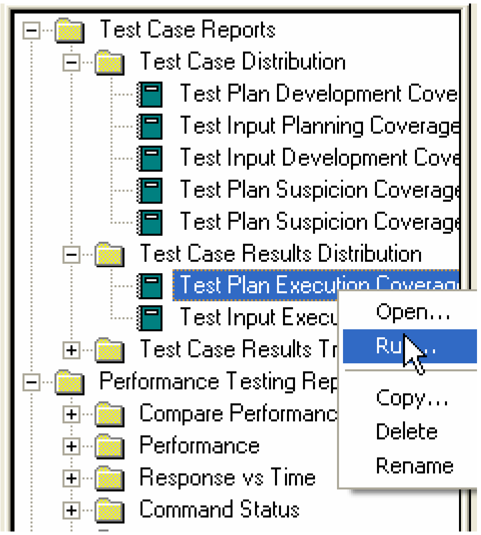


	Planned Test Cases	Implemented Test Ca...	% Test Cases Implem...
Application Requirements	3	2	66
Customer Name	1	1	100
Order Status	1	1	100
Help Feature	1	0	0

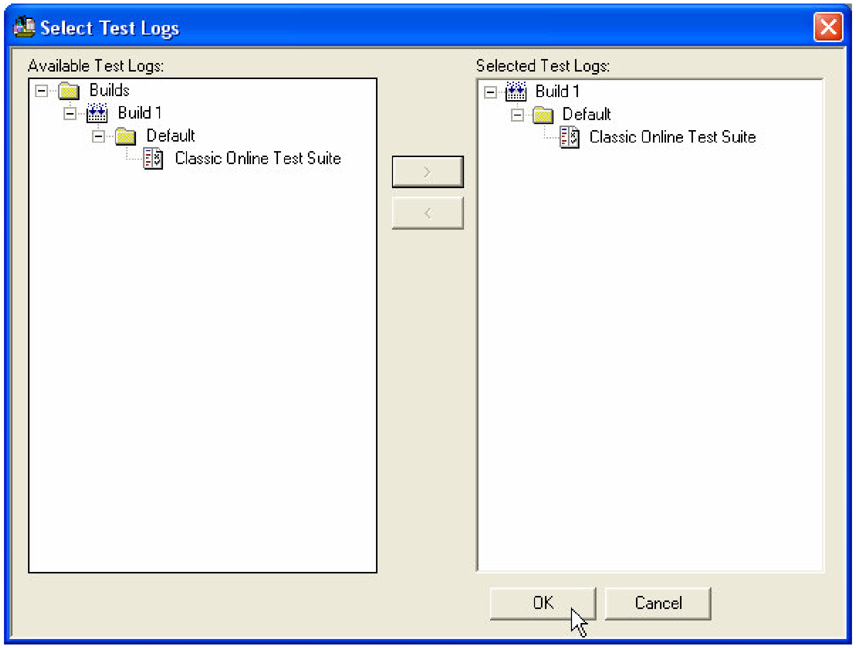
Report & Monitor Test Progress

Test Case Results Report

- Expand the folder called “Test Case Results Distribution”
- These reports provide information on results of the Test Cases we defined.
- Right click on the report titled “Test Plan Execution Coverage” and select Run


Test Case Reports
Test Case Distribution
Test Plan Development Cove
Test Input Planning Coverage
Test Input Development Cove
Test Plan Suspicion Coverage
Test Plan Suspicion Coverage
Test Case Results Distribution
Test Plan Execution Coverag
Test Input Execu
Test Case Results Tr
Performance Testing Rep
Compare Performanc
Performance
Response vs Time
Command Status
Open…
Run…
Copy…
Delete
Rename

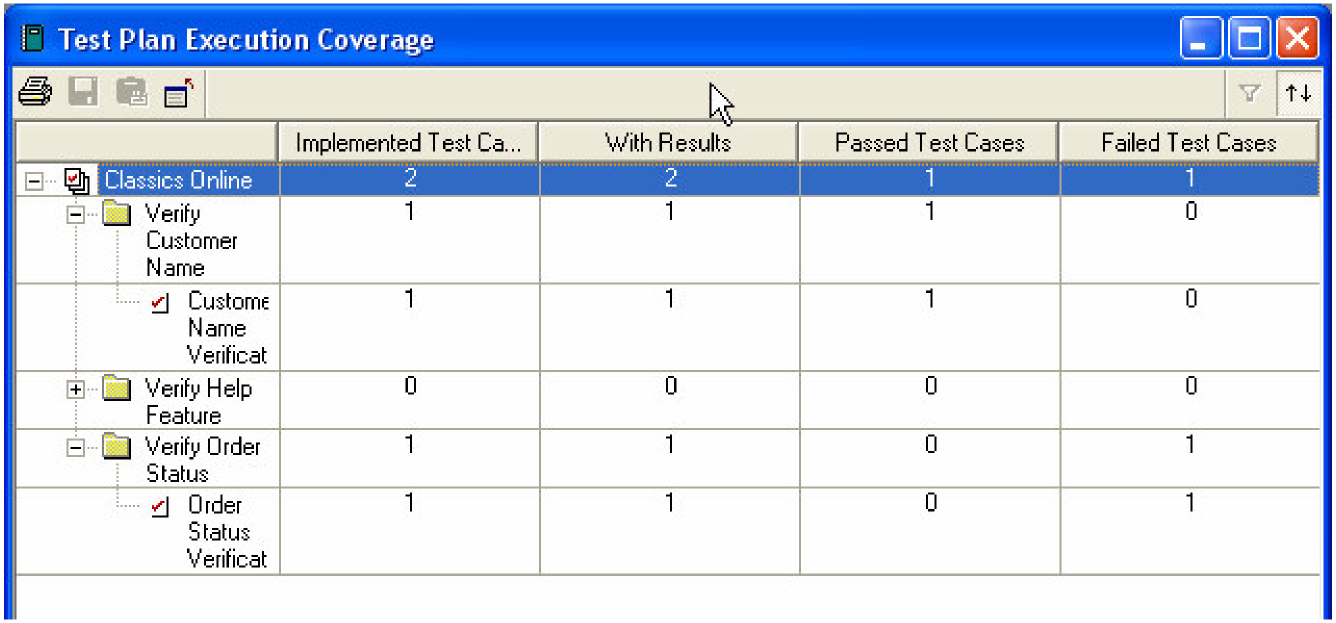
- In the Select Test Logs window, expand until you see our Test Suite “Classics Online Test Suite” and move it to the Selected Test Logs group.



Report & Monitor Test Progress

Test Case Results Report

- The following report will be generated for you.



	Implemented Test Ca...	With Results	Passed Test Cases	Failed Test Cases
Classics Online	2	2	1	1
Verify Customer Name	1	1	1	0
Custome Name Verificat	1	1	1	0
Verify Help Feature	0	0	0	0
Verify Order Status	1	1	0	1
Order Status Verificat	1	1	0	1

- This report shows you the number of Test Cases implemented in the particular suite as well as whether the passed or failed
- You can also create custom reports to generate reports according to the requirements of your specific project

Summary

This tutorial walked you through some of the basic functionalities of TestManager and showed you how to:

- Plan a Test from Requirements (Test Inputs)
- Create a ManualTest Script
- Implement a Test Case by associating a script
- Executing both single tests as well as entire test suites
- Analyse the results of the test using the Test Log.
- Create reports to monitor Test Progress and Results