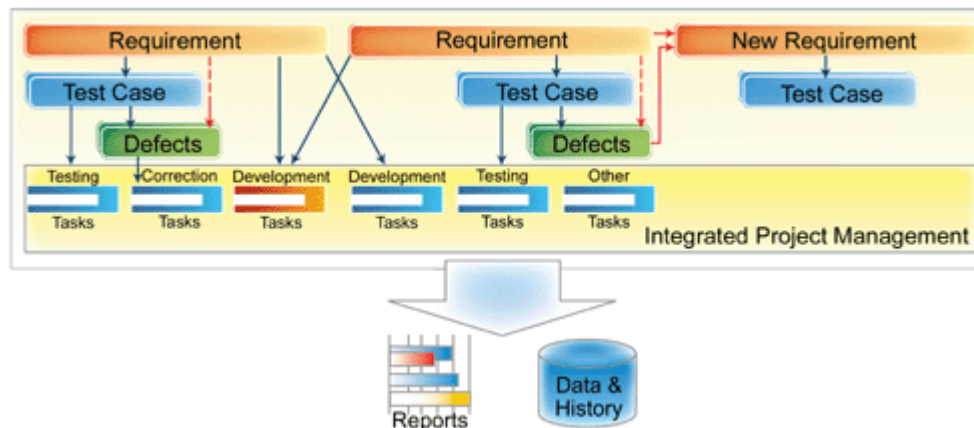


Testing Management Module

Introduction:

The Testing Management Module is an integrated component in RIQTek Manager that allows the building of best practices, such as creating test cases before development, supporting continuous testing, tracking relevant defects, etc. The module contains a collection of test cases that enables you to define, execute and track testing procedures and associated results, and to create automate notifications and approval functions to implement corrections.



Description:


The Testing Management Module is an integrated component in RIQTek Manager that allows the building of best practices, such as creating test cases before development, supporting continuous testing, tracking relevant defects, etc. The module contains a collection of test cases that enables you to define, execute and track testing procedures and associated results, and to create automate notifications and approval functions to implement corrections.

Designed to support the Iterative Method of development and to assist with creating best practices, users can create test cases through request reports. This practice assists in clarifying requirements before developments to reduce costly rework. Test cases are also managed under the Testing Management Module, where a set of role-based Web page assist users in handling test cases in various status. For example:

- The **Confirm Test Case** Web page assists testing managers in assigning test task to test cases.
- The **Report Testing** Web page assists testers in processing test cases assigned to them.
- The **Validate Testing** Web page assists task Affirmant in validating testing results in batch.

All test cases that required action from the user can are centralized under the **ToDo List** Web page where the typical operations can be performed.

Information obtained through the execution of the test case is organized into folders for easier access and locating of the reports. A few samples of the folders in this module are:

- The **Details** folder contain attributes of a test case, including testing procedures, expected results, self-defined data fields, etc. Data fields with the  symbol can contain HTML text. User can

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click on the symbol to use an on-line HTML editor. It is possible to add hyperlinks that point to Web pages, where the result of automated testing are located. Underlined data typically contains a link. Users may also attach documents.

- The **Relevant Defect** folder assists testers in adding relevant defects. The defect reports added here are also managed under the Defect Management Module.
- Testing tasks be added under the **Schedule** folder. Users can add new tasks or associate the test case with existing tasks. Mesh relationship is supported between tasks and components in the development lifecycle. A task can be associated with multiple test cases. All tasks are managed in the **Manage Plan** Web page. It is an integrated project management facility, where users can centralize and manage planned and unplanned tasks. The **Manage ToDo** folder in tasks shows the work items in request reports, test cases and defect report. At any time, there is one user that owns the test case. When the status is changed, the system updates workflow diagrams and the name of the assignee. Notifications are generated and sent to the assignee. The summary and links to the report also appears under the **ToDo List** Web page of the assignee.
- The **History** folder in test cases tracks changes made to the report and can be used for auditing.
- The **Notes** folder in test cases allows written discussion to be logged.

The Testing Management module is also integrated with the Defect Management Module via the **Relevant Test Cases** folder in defect reports. This integration allows the developer to add test cases to cover potential issues in future releases or to detect similar defect in other parts of the application.

The workflow in test cases cover the natural steps of a testing process, thereby assist user to identify status and ownership. A brief description of the steps is provided below:

Step 1 Analyzing

This is a buffer state before Testing. If users create a test case and decided to test it right away, the report will change to the Analyzing status, where testing tasks can be assigned.

Step 2 Testing

When the case is ready for execution, managers can assign testing task by clicking on the **Accept** button. After an assignee has received the notification and then worked on it, the assignee can enter defect reports under the **Relevant Defect** folder of the test case. Managers can assign correction tasks using **Confirm Defects** Web page. After an assignee has completed the testing and all tests are passed, the assignee can use the **Report Testing** Web page to submit testing results.

Step 3 Close

The **Tested** status in the workflow is the state where the testing report has been validated by the task Affirmant. Managers can then check the status of the defect reports under the **Relevant Defects** folder of the test case. If all defect reports are closed, managers can then close the test case using the **Close** button.

Screen Capture:

1. Visual workflow assists building the common ground for communication among members.
2. Folders in a test case
3. Testing procedures can contain links to Web pages, such as the Web interface to the scripts and results of automated tests.
4. User can attach multiple documents
5. Frequently used button is shown at the left of the arrows. Special operating buttons can be shown by click on the arrows.
6. There is an option to change the status of the report at any time. To operate, click on the arrow.

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Home System Project Plan and Trace Quality Others *Default*

Project : Default Serial No. : 100001 Version : Default Assign to : Administrator

Rejected Stopped (1)

Open Analyzing Testing Tested Closed

Details Schedule Relevant Defects History Notes (2)

Details

Basic Information

Serial No.: 100001 Status: (6) Project: Default

Version: Default Priority: Normal Qty: 1 Execution Phase:

Module: Default Significance: Normal Environment:

Summary: Testing GUIs for Quality Module

Process: See attached for the testing procedure.

Procedure: << Results can be viewed at <http://testing.riqtek.com/040812.htm> (3)

Expected Result: >>

Added by: Administrator(admin) Added at: 2004-08-27 16:21:49 Test Type:

Advanced Information [Display ▼]

Attached Files [Hide ▲] (4)

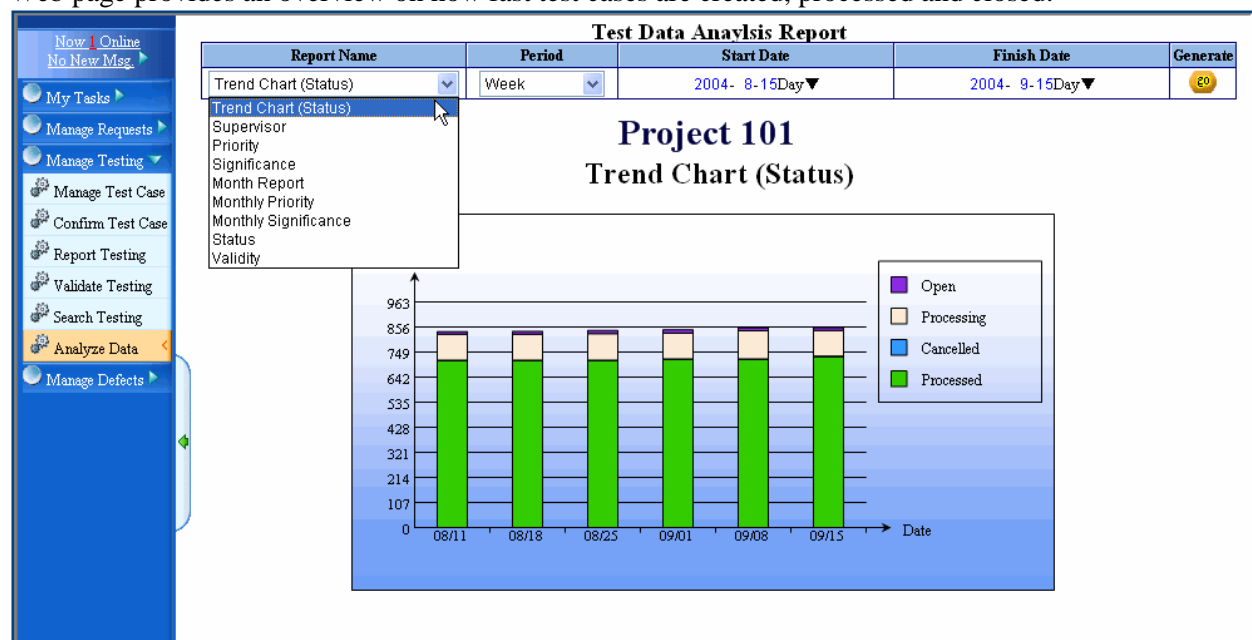
Attachments: 1. TestManangement.doc [325,120 Byte]

Accept >> (5)

om/040812.htm Local intranet

Data Analysis

RIQTek Manager comes with multiple ways to analyze data. For analyzing data in the testing management module, user can use the **Analyze Data** Web page. For example, the Trend Chart (Status) Web page provides an overview on how fast test cases are created, processed and closed.



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About RIQTek:

RIQTek is leading software provider for application lifecycle management. RIQTek's software product, RIQTek Manager, truly integrates requirement management, test case management, defect management, and project management to assist companies in building best practices, managing distributed teams, tracking development lifecycles, measuring performances, etc.

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