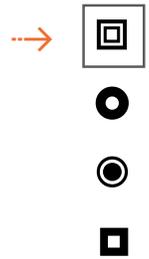
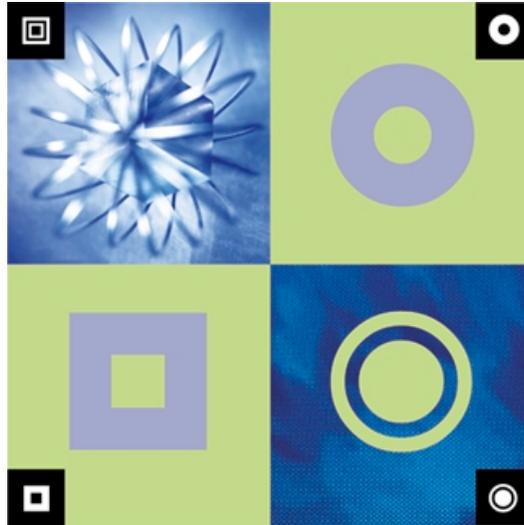




MERCURY INTERACTIVE



→ TestDirector 7i:

Global Test Management

TestDirector® is the first Web-based test management solution that globally coordinates testing across your organization. By providing and integrating requirements management with test planning, test scheduling, test execution and defect tracking in a single application, TestDirector accelerates the testing process.





TestDirector:



E-commerce is changing how companies plan and build their IT systems. In the blink of an eye, a new Web application is built, deployed and then immediately visible to your customers, suppliers and partners. Unfortunately, Web application testing is often neglected due to compressed development schedules and complex system infrastructures. To keep pace in this new economy, you must deploy a top-performing Web application that is thoroughly tested.

Test management offers an organized framework for testing Web applications before they are visible to the rest of the world. Since test plans evolve with new or modified application requirements, you need one central location for managing the testing process. A Web-based test management solution provides a collaborative environment and a central data repository. Because test team members are located across the globe, you need a unified test management solution that enables users anytime, anywhere to participate and contribute in the testing process. IT organizations are also growing quickly

and employee turnover is high. You must train new testers quickly and give them access to all the test-related assets. A single focal point provides easy administration of the complex deployment process, improves the communication between different groups and accelerates your testing efforts.



→ TestDirector provides anytime, anywhere access to application testing assets via the Web. Its browser interface simplifies deployment, improves communications between testers in multiple locations and accelerates testing cycles.

TestDirector eliminates organizational and geographical boundaries. It allows testers, developers and the rest of IT to communicate testing information across different sites to one repository. TestDirector streamlines the testing process—from requirements management through planning, scheduling and running tests to defect tracking—in a single browser-based application.

➤ Requirements Management

Application requirements drive the entire testing process. They help determine which parts of an application need to be tested, what tests need to be developed and if the finished application meets user needs. TestDirector's Web interface simplifies the requirements management process so you can verify that each application feature is functioning correctly. TestDirector's Requirements Manager enables testers to automatically generate test cases based on application requirements. It ensures thorough test coverage by offering an intuitive mechanism for linking requirements to test cases, test results and reported defects.

Linking requirements to testing typically occurs two ways. First, TestDirector captures and tracks all the initial application requirements. You can then generate a test plan based on these requirements and associate tests to your requirements. For example, you may have 25 tests linked to a single requirement. You must easily manage what can be a many-to-many relationship between requirements and tests to verify that each



→ Requirements Manager links all application requirements to test cases, test results and reported defects to ensure thorough test coverage.

requirement is tested. Second, since Web applications are always evolving and changing, the Requirements Manager allows testers to easily add, modify or delete requirements and make certain that the current application requirements have testing coverage. For any dynamically changing Web application, it's mandatory to review your test plan for accuracy and confirm that it meets the most current application requirements.

➤ Planning Tests

Test planning is an essential part of the testing process. It provides a structure for all testing efforts. TestDirector's Test Plan Manager offers one focal point for the testing team and provides a Web interface to stream the team's communication during the test-planning phase. Test Plan Manager guides testers as they translate application requirements into concrete test plans. Its visual structure helps you define how your applications are tested so you can organize specific tasks and responsibilities.

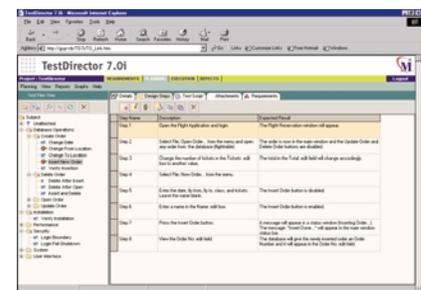
Test Plan Manager offers various methods for building comprehensive test plans. You can build your plan from scratch, or you can use the Test Plan Wizard to quickly generate a test plan skeleton based on the application requirements that you defined with the Requirements Manager. If you already have planning information stored in word-processing documents such as Microsoft Word, you can reuse this information and import it to the Test Plan Manager. It organizes various types of tests in a collapsible subject tree so you have one place to look for all test cases. For example, you can combine manual and automated tests—functional, regression and load test scenarios in the same location.

Test Plan Manager will also help you drill-down further to complete the test design and document individual test steps including the sequence of user actions, checkpoints and expected results for each test case. TestDirector also links tests to attachment files, such as Word, Excel, HTML, etc. that further describe each test case.

Web applications evolve and change overnight. As a result, your application requirements will also change. You will need to update your plan and prioritize tests accordingly. TestDirector easily matches application requirements to the appropriate tests even when frequent

updates are made. Furthermore, TestDirector supports different testing methodologies to accommodate your organization's unique testing procedures.

Most testing projects require a combination of manual and automated tests, including sanity, regression and system tests. And even with the demand for automated testing tools, the vast majority of testing is still manual. Adopting an evolutionary rather than revolutionary switch to automation enables testers to determine which repeatable, manual tests should be converted to automated scripts for faster test execution. TestDirector eases this migration by automatically converting manual tests into automated test templates and jumpstarts the test-design process.



→ Test Plan Manager guides testers as they translate application requirements into a clear and concise test plan. All tests are organized into a visual tree plan so that it is easy to view the entire testing project.

➤ Scheduling and Running Tests

Once the test plan is built, TestDirector's TestLab Manager provides a Web-based infrastructure for scheduling tests. Its Smart Scheduler™ controls when tests are



