

AppPerfect Functional Tester For Web Applications

Overview

AppPerfect Functional Tester performs functional and regression testing of your Web-based applications. Application with a HTML-based user interface can be tested using this product. AppPerfect Functional Tester is designed for developers as well as QA professionals. It provides a rich set of features in an easy-to-use that makes both groups productive immediately.

AppPerfect Functional Tester provides accurate recording and replay of Web-based UI events. It records all the activities you perform in the Web browser and then repeat those activities automatically. It is easy to use with no programming needed. Implementing functional tests for your application early in the software development cycle speeds developments, improves quality and reduces risks towards the end of the cycle.

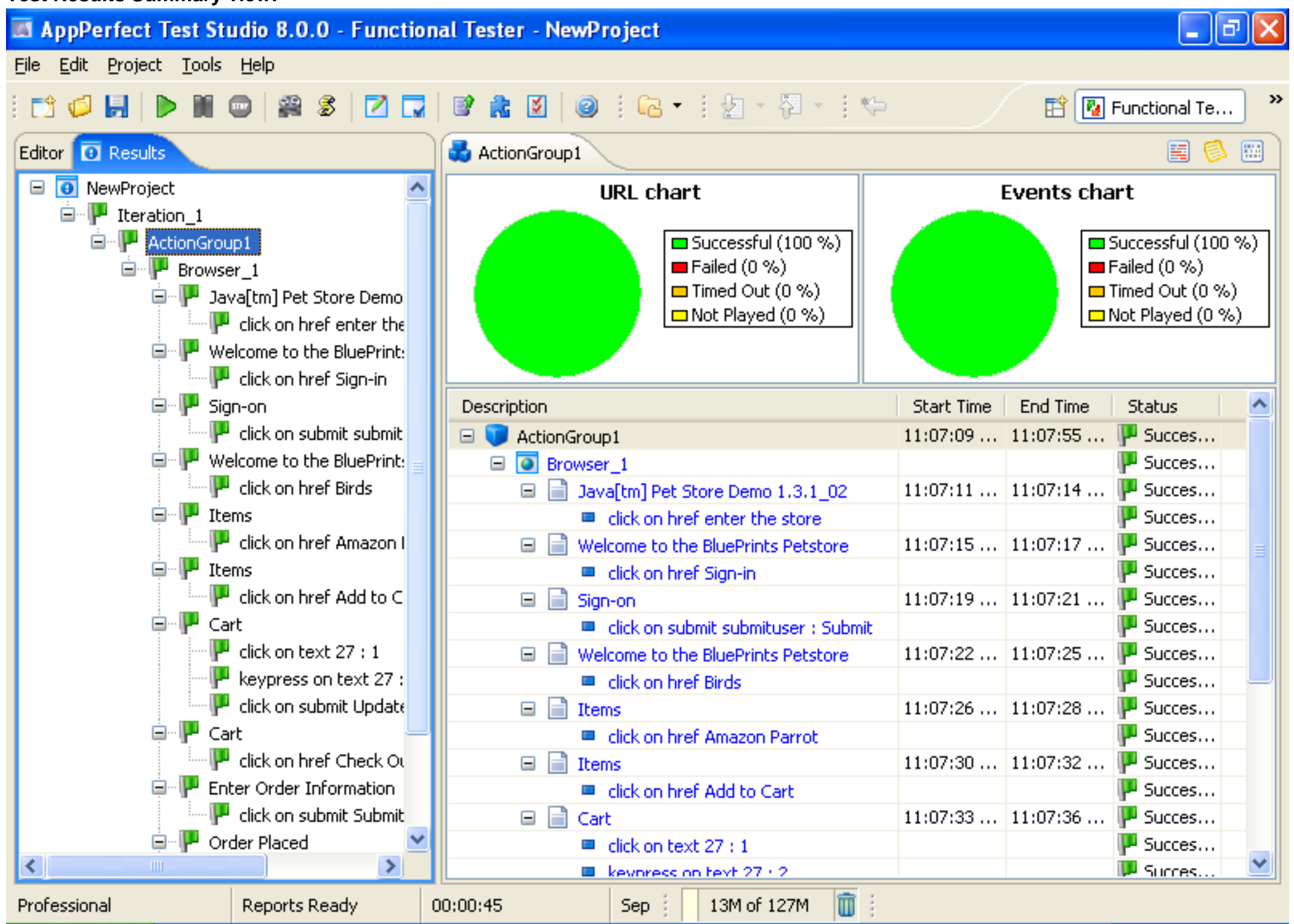
AppPerfect Functional Tester records browser interaction in terms of the actual element, rather than just screen co-ordinates. This fundamental difference in architecture sets this product apart from most competing products. The productivity gain for the user is immediate and substantial. Your tests are more flexible and portable across machines, and easier to modify and update.

Key Features

- **Techonologies Supported:** AppPerfect Functional Tester supports .NET, ASP, Servlets/JSP, CGI, SSL and most other server-side Web technologies. It also supports advanced Web technologies such as AJAX, Flash and Java Applets.
- **Browser recording:** You can use the browser recording facility to create the tests as you would normally work with your application. There is no need to learn any proprietary scripting language. You can then edit and run the test fast and easily. Recording supports JavaScript dialogs, File Chooser dialogs, Menus, toolbar etc apart from normal HTML elements. Recording is Component-based and not co-ordinate based allowing to replay test even when browser is moved or element position changes. Functional Tester supports recording from multiple instacens of internet explorer browser simultaneously.
- **UI based editing of tests:** The UI is easy to use and allows you to edit your existing test as well as add new URLs and parameters to the test. You can quickly modify your tests and easily build on the Test Cases as and when additional functionality is added to your products
- **Scripting Support:** For advanced user AppPerfect Functional Tester provides scripting language support. The scripting language used is simple java script, users can view/edit the test using script editor provided. Users can customize a test as much as they want using java script.
- **Parameterized Tests:** In real world scenario, for any Web-based application, the pages that are requested are not all static. In fact, most of the pages accept some parameters as input and then correspondingly show the appropriate customized content. Parameterized tests feed these parameters automatically to the request and thus help simulate a more realistic usage environment. AppPerfect can read values from text files, databases etc.
- **Response Validation:** You can validate the responses received for a URL request with the AppPerfect Functional Tester. You can customize what constitutes a valid or invalid response for an URL request. Response codes can be included to constitute valid or erroneous responses.
- **Support for basic authentication, cookies, SSL:** With the AppPerfect Functional Tester, you can test URLs that require basic authentication as well as those using HTTPS by allowing the configuration of the SSL Provider. It also handles the sending of cookies with the appropriate requests and supports URL rewriting if your application uses it. Two way SSL authentication is also supported.
- **Execution without launching browser:** AppPerfect Functional Tester provides support for running tests without launching browser. Events on all HTML elements is supported in this mode. Limitation of this mode is that it cannot run windows events like events on Applets, Flash, Toolbar buttons, Menu bar etc.
- **Importing of tests:** AppPerfect Functional Tester can import a test that has been created using the AppPerfect Functional Tester. This makes it easy for a user to create a test instead of replicating the effort of creating a test, the test can be imported and a load test generated for the URLs in that test.
- **Informative reports and Custom report designer:** The application provides reports that help you pin point failure points of the test. These reports are available through the UI and can be exported into 3 different formats: HTML, PDF and CSV. In addition, Test Status Reports help you monitor the progress of the test as it executes. Functional Tester also provides a utility called Analytics which is basically a custom report designer to help user design their own custom reports. Product comes with lot of system reports defined in Analytics to help user understand how they can design their own reports.
- **Trend Analysis:** AppPerfect Functional Tester provides a utility called Trend Analytics to generate trend reports for load testing of your application. This utility takes multiple result files and generates trend charts and reports based on the data found.
- **Scheduling of tests:** You can schedule your tests with the AppPerfect Functional Tester. You do not have to be physically present to start the test. The whole process is automated so you can schedule a test to run in the night and have a look at the results the next day and then correct any errors found by the test.
- **Notification of results:** You can configure AppPerfect project to notify results using Email or custom notification mechanism. In case of Email notification you can specify whether you want results as attachment and AppPerfect will export the results as HTML file and send the same as attachment with the mail.
- **IDE Integration:** AppPerfect Functional Tester supports IDE integration with most commonly used IDEs. This enhances ease-of-use and productivity. Currently supported IDEs are Eclipse, NetBeans, IntelliJ, JBuilder, JDeveloper and Workshop.
- **ANT Integration and Command line execution:** AppPerfect Functional Tester supports ANT Integration and command line execution so you can functional test your application by invoking product by running ANT script or by running bat/sh file.

Screenshot

Test Results Summary view:



Description	Start Time	End Time	Status
ActionGroup1	11:07:09 ...	11:07:55 ...	Succes...
Browser_1			Succes...
Java[tm] Pet Store Demo 1.3.1_02	11:07:11 ...	11:07:14 ...	Succes...
click on href enter the			Succes...
Welcome to the BluePrints Petstore	11:07:15 ...	11:07:17 ...	Succes...
click on href Sign-in			Succes...
Sign-on	11:07:19 ...	11:07:21 ...	Succes...
click on submit submituser : Submit			Succes...
Welcome to the BluePrints Petstore	11:07:22 ...	11:07:25 ...	Succes...
click on href Birds			Succes...
Items	11:07:26 ...	11:07:28 ...	Succes...
click on href Amazon Parrot			Succes...
Items	11:07:30 ...	11:07:32 ...	Succes...
click on href Add to Cart			Succes...
Cart	11:07:33 ...	11:07:36 ...	Succes...
click on text 27 : 1			Succes...
keypress on text 27 : ?			Succes...

Supported Products

- OS : Windows 2000/XP/2003, Linux x86, Solaris 8/9, Mac OS X
- Web support : Web applications based on J2EE/JSP, .NET, ASP, PHP, CGI and many other server side technologies can be tested.
- IDE : Eclipse 2.1.x/3.0, NetBeans 4.0/4.1/5.0, IBM WSAD 5.1.x, IBM RAD 6.0, IntelliJ 3.0.5/4.0/4.5/5.0, JBuilder 9.x/10.x/2005/2007, JDeveloper 9.x/10.x
- Browsers : Microsoft Internet Explorer 5.x / 6.x

Availability & Download

AppPerfect Functional Tester is a component of the **AppPerfect Test Studio**. AppPerfect Functional Tester is not sold separately. The AppPerfect Test Studio is shipped in two different versions:Standard and Professional. The AppPerfect Test Studio - Standard Edition is free for non-commercial use only. Visit <http://www.AppPerfect.com/sales/index.html> for price information and purchasing options for AppPerfect Test Studio - Professional Edition.

A free 15-day evaluation version of the AppPerfect Test Studio - Professional Edition can be downloaded from <http://www.AppPerfect.com/download/index.html>. At the end of 15 days, you must purchase a license, else the software will automatically convert to the Standard Edition.