

AppPerfect App Test For Windows/Java/GUI Apps

Overview

All software are designed and developed to meet and satisfy certain **functional** needs. A functional need may be technical, business, or process based. **Functional Testing** is the process by which expected behavior of an application can be tested. Implementing functional test for your application early in the software development cycle speeds up development, improves quality and reduces risks towards the end of the cycle.

Most software undergo changes over a period of time. These changes may occur during the course of a single release, or across multiple releases. Any change to the software increases the chance of errors or bugs being introduced that breaks existing functionality (called a Regression). **Regression Testing** is the process of frequently re-testing a software to ensure known existing behavior or functionality is not broken.

AppPerfect App Test has been designed to assist users meet such testing challenges. AppPerfect App Test is a fully **Automated Functional testing and Regression testing software** which is easy to use and cost effective replacement to manual testing. AppPerfect App Test provides support for "recording" a test once and then "replaying" it when desired without additional manual intervention.

AppPerfect App Test performs functional and regression testing of your Windows/.NET/Java/GUI applications. Its designed for developers as well as QA professionals. Functional testing provides a rich set of features in an easy-to-use manner that makes both groups productive immediately.

AppPerfect App Test provides accurate recording and replay of Windows GUI events. It records all the activities you perform in your Windows application and then plays 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.

As the size and complexity of applications have grown over the years, it has become increasingly difficult to ensure functional compliance and to ensure no regressions over time. Even a small size project can generate excessive permutations and combinations of test cases that are too big for a human to test consistently and continually. AppPerfect App Test automates this task for you and helps you improve the quality of your Windows applications and drastically reduces the time it would take to get your product out into the market.

Screenshot

The screenshot displays the AppPerfect App Test 10.5.0 - Application Tester - NewProject interface. The main window is titled "ActionGroup1" and shows a "Windows summary" section with a green circle indicating 100% success. A table on the right shows the status counts for the test run. Below the summary is a detailed log of test actions, including descriptions, start and end times, and status indicators.

Windows summary

Windows Status	Count
Successful	7
Failed	0
Stopped	0
Not Played	0

Test Log

Description	Start Time	End Time	Status
Untitled - Notepad	7:11:40 PM	7:11:41 PM	Successful
type on WinEdit : Kamlesh Soni			Successful
selectItem on WinMenu : &Help;&About Notepad			Successful
About Notepad	7:11:43 PM	7:11:45 PM	Successful
click on WinButton : OK			Successful
selectItem on WinMenu : F&ormat;&Font...			Successful
Font	7:11:47 PM	7:11:49 PM	Successful
click on WinButton : Cancel			Successful
selectItem on WinMenu : &Help;&About Notepad			Successful
About Notepad	7:11:51 PM	7:11:52 PM	Successful
click on WinButton : OK			Successful
selectItem on WinMenu : &Help;&Help Topics			Successful
Notepad	7:11:54 PM	7:11:57 PM	Successful
setCaretPos on WinEdit :			Successful
type on WinEdit : Kamles			Successful
type on WinEdit : micBack			Successful

Professional Reports Ready 00:00:29 Ma 26M of 114M

Key Features

- **Easy to use Recording functionality:** Recording a functional test with AppPerfect App Test is as easy as working with your application. All the actions you perform on your application are automatically recorded. There is no need to learn any proprietary scripting language. Moreover Recording is component based and not co-ordinate based, which does not break your functional test if position of UI element changes in future.
- **Element-based, not co-ordinate based:** It records browser interaction in terms of the actual element, rather than just screen co-ordinates. This makes your tests are more flexible and portable across machines, and easier to modify and update.
- **UI based editing of tests:** AppPerfect App Test provides user friendly UI which is easy to use and allows you to edit your existing functional test as well as add new Windows/Dialogs and parameters to the test. You can quickly modify your functional tests and easily build on the Test Cases as and when additional functionality is added to your products
- **Parameterized Tests:** In real world scenario, for any Window-based application, the content shown in UI is not static. In fact, most of the elements accept some parameters as input and then correspondingly show the appropriate customized content. Parameterized functional tests feed these parameters automatically to the test and thus help simulate a more realistic usage environment. AppPerfect can read values from text files, databases etc.
- **Validation:** AppPerfect App Test supports validation for Window/Dialog elements and their properties.
- **Object Spy:** AppPerfect App Test provides functionality to Spy on any UI element and fetch its properties. This makes it easier to add any new UI element to your existing functional test and build on the Test Cases as and when additional functionality is added to your products
- **Scripting Support:** For advanced user AppPerfect App Test provides scripting language support. The scripting language used is simple java script, users can view/edit the functional test using script editor provided. Users can customize a functional test as much as they want using java script.
- **Informative and user friendly reports:** AppPerfect App Test provides reports that help you pin point failure points of the functional test. These reports are available through the UI and can be exported into various formats like HTML, PDF, CSV, XLS, XML etc.
- **Scheduling & Notification:** You can automate your testing by scheduling them using the [AppPerfect Test Manager](#) product. You can also use the Notifications manager module of the [AppPerfect Test Manager](#) product to send an email, SMS or file notification when a test is complete.

Online Demos

- [Creating Test](#)
- [Recording Test](#)
- [Editing Test](#)
- [Replaying Test](#)
- [Test Results](#)
- [Testing Windows Application](#)

Tutorials

- [Functional Testing a Windows Application](#)
- [Functional Testing a Mac OS X Application](#)

Supported Products

- OS : Windows 2000/XP/2003/Vista

AppPerfect Web Testing Services

AppPerfect is more than just your software provider. We can help you implement them. Our team of highly trained experts can shorten implementation time and provide fast results. Our services include:

- "Start Pack": Initial setup and training
- Test Design: Build tests to achieve your functional objectives
- Results Analysis: Analyze results and recommend actions
- Test Automation: Automate tests so they become part of your development process
- Custom enhancements: Extend any AppPerfect product with your needs

Please visit our [Professional Services](#) center for more details

Licensing & Download

A free, full-featured professional version of the AppPerfect App Test can be downloaded from our [Download Center](#).

AppPerfect App Test is free for internal use. AppPerfect licensing is designed for free usage for most usage scenario, except for embedding, re-distribution and use in hosted services or providing services to other companies. In case you need further help to get started you can purchase 1-Day training session where one of our professional will help you take through the product. For annual technical support / upgrades, maintenance and professional Services, Please visit [AppPerfect Sales Center](#)