

TESTDROID RECORDER PRODUCT FACT SHEET

Testdroid recorder is an Eclipse plug-in that automates the manual tasks of writing tests for Android applications.

TESTDROID
recorder

Key Features

Automatically configures your Android Test project for Robotium use



Testdroid Recorder takes your Android Test project and automatically generates all files needed to set up a working Robotium test project. This means that you will have your first automated Android tests in matter of minutes - not hours or days!

Recording test cases without application source code



Testdroid Recorder has the capability to record test cases without the application source code. You can take almost any APK file and create automated Robotium tests for that APK by using Testdroid Recorder.

Timeline recording



Testdroid Recorder has an option to capture the time between user actions during recording and then repeat the same user actions with exactly same time intervals during the playback. This feature is very useful for instance when your application accesses a web service to retrieve some data or does some other time consuming processing before the the user can continue.

User defined screenshot capture steps during test execution



For visual verification of application appearance during test execution Testdroid Recorder has a "Take screenshot" button. By clicking this button you can define places in your test case where a screenshot is taken during the test execution. The screenshots are stored to SD-card from where they can be fetched for inspection.

Editing test steps during recording



Testdroid Recorder has following options for controlling and editing your test case recording:

Pause

With Pause button you can pause the recording and go to any screen of the application and resume recording from there. This helps when you want to break the tests to several individual tests or if you want to append some new features to existing test sets.

Delete Action:

When the recording is paused you can use delete action button to delete any recorded action before Testdroid Recorder generates the test code. You just highlight the action and press delete. This feature is useful to get rid of unwanted clicks and to remove parts of test recording that are not relevant for a specific test case.

Split one recording to several tests

With New Test Method button you can split your test recording to several test methods (or test cases). During recording you just click New Test Method button, give a name to the new test method and then right click and choose "Set current recording" and off you go! All following activities will go to this new test methods. With this feature you can create test suites that consist of several test cases and can still be executed as one test APK package.

User defined UI widget call methods



Testdroid Recorder let's you decide in which order the UI widget call methods are used when your Robotium test code is generated. Each of the UI Widget call methods have their pros and cons and it always depends on the application itself which one is the most appropriate and which ones can be used. The options are:

- R.Id
- Text Label
- X,Y click

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How does it work

Test Recording

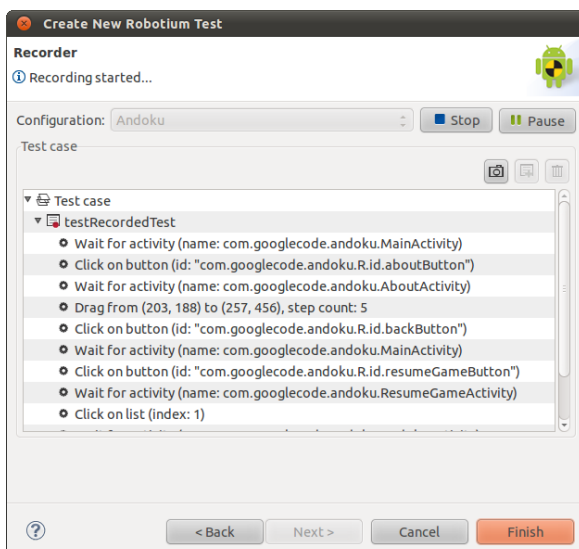


Testdroid Recorder accesses Android's View hierarchy to inspect the user inputs. When user clicks something on the screen Testdroid Recorder will capture that UI event call and store it. When Robotium code is generated, recorder recreates the sequence of UI widget calls and generates corresponding lines of test code automatically. This way your tests are not relying only on x,y clicks on the screen and can be executed on almost any Android device.

Test Execution



Robotium tests created with Testdroid Recorder can be executed from Eclipse as JUnit tests. If you connect an Android device to your workstation via USB cable you can execute the tests on a real device and see the results in Eclipse's JUnit result view. If no real Android device is available the tests can be executed on an emulator (Android Virtual Device).



System Requirements

Operating System:

Windows XP, Windows 7 or Vista, Ubuntu Linux or Mac OS 10.x or later

Eclipse:

3.6 or 3.7

Other required software:

Google Android Development Tools (ADT)
Robotium library (Testdroid Recorder will install this automatically)
Android SDK

Other requirements:

Android device and a USB cable for running tests on real device

Pricing

Testdroid Recorder license includes all fixes and new features and full named user e-mail support for the duration of the license period. Licenses are per seat, no floating licenses are available.

1 year

\$595

2 years

\$999

3 years

\$1,299