GUI SOFTWARE TESTING

What is GUI Software Testing?

GUI testing is a testing technique in which the application's user interface is tested whether the application performs as expected with respect to user interface behaviour.

GUI Testing includes the application behaviour towards keyboard and mouse movements and how different GUI objects such as toolbars, buttons, menubars, dialog boxes, edit fields, lists, behavior to the user input.

GUI Testing Guidelines

- Check Screen Validations

- Verify All Navigations

- Check usability Conditions

- Verify Data Integrity

- Verify the object states

- Verify the date Field and Numeric Field Formats

GUI Automation Tools

Following are some of the open source GUI automation tools in the market:

Product	Licensed Under	URL
AutoHotkey	GPL	http://www.autohotkey.com/
Selenium	Apache	http://docs.seleniumhq.org/
Sikuli	MIT	http://sikuli.org
Robot Framework	Apache	www.robotframework.org
watir	BSD	http://www.watir.com/
Dojo Toolkit	BSD	http://dojotoolkit.org/

Following are some of the Commercial GUI automation tools in the market.

Product	Vendor	URL
AutoIT	AutoIT	http://www.autoitscript.com/site/autoit/
EggPlant	TestPlant	www.testplant.com
QTP	Hp	http://www8.hp.com/us/en/software-solutions/
Rational Functional Tester	IBM	http://www-03.ibm.com/software/products/us/en/functional
Infragistics	Infragistics	www.infragistics.com
iMacros	iOpus	http://www.iopus.com/iMacros/

CodedUI	Microsoft	http://www.microsoft.com/visualstudio/
Sikuli	Micro Focus International	http://www.microfocus.com/