QTP Testing Process

* **Create your test plan**

Prior to automating there should be a detailed description of the test including the exact steps to follow, data to be input, and all items to be verified by the test. The verification information should include both data validations and existence or state verifications of objects in the application.

* **Design a Test for your application**

As you navigate through your application, QuickTest graphically displays each *step* you perform in the form of a collapsible icon-based *test tree*. A step is any user action that causes or makes a change in your site, such as clicking a link or image, or entering data in a form.

* **Enhancing your test**
* Inserting *checkpoints* into your test lets you search for a specific value of a page, object or text string, which helps you identify whether or not your application is functioning correctly.
  + NOTE: Checkpoints can be added to a test as you record it or after the fact via the Active Screen. It is much easier and faster to add the checkpoints during the recording process.
* Broadening the scope of your test by replacing fixed values with *parameters* lets you check how your application performs the same operations with multiple sets of data.
* Adding logic and conditional statements to your test enables you to add sophisticated checks to your test.
* **Debugging your test** 
  + If changes were made to the script, you need to debug it to check that it operates smoothly and without interruption.
* **Running your test on a new version of your application** 
  + You run a test to check the behavior of your application. While running, QuickTest connects to your application and performs each step in your test.
* **Analyzing the test results** 
  + You examine the test results to pinpoint defects in your application.
* **Reporting defects** 
  + As you encounter failures in the application when analyzing test results, you will create defect reports in Defect Reporting Tool.

QTP IDE

* To launch QTP, In Start Menu, Choose Programs > Quick Test Professional Folder  > Quick Test Professional
* The first time you start QTP, the **Add-in Manager dialog box** opens. It **Displays list of all installed add-in along with license expiry date**.
* It is recommended you **select only the add-ins required for your particular** [testing](http://www.guru99.com/software-testing.html) **session**. Because at times , different add-in interfere with each other degrading object identification and QTP's performance. QTP  will remember the add-ins you load so that the next time you open QTP  the add-ins you selected in the previous session are selected by default. Also, If you do not want this dialog box to open the next time you start QTP clear the Show on startup check box. Click OK.
* The **Start Page** **describes the new features** in this release-including links to more information about these features. It also provides links to Process Guidance, a tool that offers best practices for working with QTP. You can open a document from the list of Recently Used Files,or you can click the buttons in the Welcome! area to open new or existing documents. If you do not want QTP to display the Start Page when you next open QTP ,select the "Don't show the Start Page window on startup" check box. When you select this option, the Start Page is also automatically hidden for the current QTP session as soon as you open another QTP document. To display the Start Page again, select View > Start.
* **Title Bar** Displays the **name of the active document.** If changes have been made since it was last saved, an asterisk (\*) is displayed next to the document name in the title bar.
* **Menu Bar** Displays menus of **QTP commands**.
* Toolbars Contains buttons to assist you in managing your document
* **Document Tabs** Enables you to **navigate open** **documents**
* **Keyword View** Displays test steps in a **graphical representation**
* **Expert View** Displays test steps as a **VB Script line.**
* **Active Screen** Provides a **snapshot of your application** as it appeared when you performed a certain step during the recording session.
* **Data Table** Assists you to **parameterize** your test.
* **Test Flow** Displays the **hierarchy of actions** and action calls in the current test, and shows the order in which they are run.
* Below are Tabs For Other Panes.
* **You can change the look and feel of the main QTP window,** as required
* In the QTP window, select View > Window Theme, and then select the way the window should appear from the list of available themes.
* You can move the QTP window panes to suit your own personal preferences. Say we want to Move the Test Flow Pane .In the QTP window, drag the title bar of the Test Flow Pane. As you drag the pane, markers are displayed in the active pane and on each edge of the QTP window. Drag the Test Flow and hold the cursor over the various markers’ shaded area is displayed, indicating the new location of the pane. Lets move it to Right. Release the mouse button. The Test Flow Pane snaps into place and is displayed as a new pane in the shaded area.
* That's all to the QTP IDE