

Assignment - 2.

Selection of testing tools.

1. match the tools to its appropriate use:

Before selecting tool, it is necessary to know its use. A tool may not be a general one or may not cover many features. Rather, most of the tools are meant for specific tasks. Therefore, the tester needs to familiar with both the tool and its uses in order to make proper selection.

2. select the tool to its appropriate SDLC phase.

Since the methods of testing changes according to the SDLC phase, the testing tool also changes. Therefore it is necessary to choose the tool according to the SDLC phase, in which testing is to be done.

3. select the tool to the skill of the tester.

The individual performing the test must select a tool that conforms to his skill level.

4. Select a tool which is affordable.

Tools are always costly and increase the cost of the project. Therefore choose the tool which is within the budget of the project. Increasing the desired tool is underutilization then added cost will have no benefits to the project.

5. determine how many tools are required for testing the system.

a single tool generally cannot satisfy all test requirements. It may be possible that many test tools are required for the entire

project therefore, assess the tool as per the test requirements and determine the no and type of tools required.

6. select the tool after examining the schedule of testing.

first get an idea of the entire schedule of testing activities and then decide whether there is enough time for learning the testing tool and then performing automation with that tool. if there is not enough time provided for learning the tool, then there is no use of automation.

Type of debugging tools.

mostly used debugging tools are GDB, DDD & Eclipse.

1. GDB tool: This type of tool is used in unix programming. GDB is pre-installed in all linux system. If not, it is necessary to download the gcc compiler package.

2. DDD tool: DDD means data display debugger which is used to run a graphics user interface (GUI) in unix system.

3. Eclipse: An IDE tool is the integration of an editor, build tool, debugger and other development tools. It is the most popular tool. It works more efficiently when compared to the DDD and GDB and other tool.