Session – 3

Differences of Testing

1. Difference between Manual testing and Automation testing?

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| Manual Testing | Automation Testing |
| Test cases are executed manually. | Test cases are executed with the help of tools. |
| Less Expensive. | More Expensive. |
| Consuming time is high. | Consuming time is low. |
| It gives low-accuracy results. | It gives high-accuracy results. |
| Suitable for ad-hoc and usability testing. | Suitable for regression testing performance testing. |
| Helps in improving the customer experience. | No guarantee of a positive customer experience. |
| Manual testing will be useful when the test case only needs to run once or twice. | Automation testing is useful when frequently executing a set of test cases. |

1. Difference between Black box testing and White box testing?

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| Black Box Testing | White box Testing |
| When you do not have the source code. | Source code is required. |
| Testing is done by tester. | Testing is done by the programmer. |
| It is high-level testing. | It is low-level testing. |
| It is a functional testing. | It is non-functional testing. |
| Testing tools are independent of the programming language. | Testing tools depend on the programming language. |
| Black box testing is software testing that is used to test the software without knowing the internal structure of the code or program. | White box testing is the software testing method in which the internal structure is known to the tester who is going to test the software. |
| It is also called closed testing. | It is also called clear box testing. |

1. Download and install Pycharm.

* Process of installing pycharm:
* Go to Google

In the search bar type pycharm Download

Scroll down to the black section “Pycharm community Edition

Click the black download button

Open the download .exe file

Click on next

Click on pycharm community edition

Click on add open folder as project

Install

Click on run pycharm edition

Finish

Click on download edition for setup

Click on pycharm community

Agree.