Journal 2: Dynamic and Static Testing

1. *What is static testing?*

* Static testing is the approach of a testing software application without executing the actual code. Static testing is performed in the initial stage of development to identify issues in the project in many different ways; some of which include namely reviews, walkthroughs, or inspections.

1. *What is dynamic testing?*

* Dynamic testing is the analysis of the code’s dynamic behaviors in a software. With dynamic testing, you give an input that is returned with the output as expected per executing a test case. Test cases can be run manually or through an automation process, where the software must be complied and able to run.

1. *What is the difference between static and dynamic testing?*

* Static testing checks code, requirements, and design documentation for errors. On the other hand, dynamic testing checks for functionality of a software system, it’s memory, CPU usage, and overall system performance.

1. *Why is it important to include static and dynamic testing?*

* It is important to include static and dynamic testing in the software development process because they are continuous tests that help identify, detect, and fix any bugs or defects that may arise. That being said, since both tests are continuous, they can detect errors throughout any stage of the software development lifecycle.