**Familiarity Review**

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**Week:** 10

**Coding Topic:** **State Diagrams**

**Description of Understanding:** The state diagram is an overview of how the classed behave in response to external prompt. We can as well call this a state machine diagram as the UML diagram models is a dynamic flow of how each stage respond to a particular object in a given system. In this week assignment, there are some key symbols I used and here are what they mean.

This is always considered to be the starting point of the program.

This is known as the transition symbol that shows each different stage of the object or program.

The use of this shapes helps demonstrate how the process works and what ensures the success of the program either on the success lane or the failure path.

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| **File** | **Git Link** |
| **State Diagrams** | [https://github.com/nkenta/cit360/tree/master/State%20Diagrams](https://github.com/nkenta/cit360/tree/master/State Diagrams) |

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| **What should I be looking for?** | **Sandbox or Your code?** |
| The office printer is a perfect way to demonstrate the State diagram for this fluency. Just as the name implies, it states the event that happens before the success of the task is completed or if it fails to complete. What happens at every stage. There is a Success task and failed task. Each has its end and returns. | Mine |