Mod 5 Journal: Testing Techniques

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I used several techniques in each of these milestones. The main testing technique used was automation and API which means that it auto tests as you run the program to make sure that everything is performing correctly. One that I used is the addition of the Assert Junit package which allows you to use Assert to do things like null, throw, throw exception and such. For example, when updating an appointment id, it checks to make sure it’s not too long. I also used jupiter so I could utilize @BeforeEach and @Test so the program knows when to run tests and what to look for.

There are several other testing techniques that was not used in these milestones. There is decision table which is primarily used to define functions and the conditions that those functions will operate, as well as any actions that take place, through testing combinations. Another example is Orthogonal array testing which is a systematic and statistically-driven black-box testing technique employed in the field of software testing. There really wasn’t a use for either of these techniques in these milestones but they are worth an honorable mention.

All of these techniques have their uses in many different software development projects. Automation is used in robotics and different machinery and is typically used to make the workload of people less and make everybody’s life easier. API is typically used just as I used it for this project. It is used to test the interface of the program directly which speeds up the process and ensure that it tests it correctly to make sure that everything is running and working properly.