Module Five

Learning Objectives

By the end of this module, you will meet these learning objectives:

☑ Employ unit testing best practices to verify and validate given requirements

☑ Write unit tests to verify and validate code

☑ Describe software techniques, tools, and applications

Module Overview

In the last two modules, you learned how to write tests to verify and validate requirements. This work will continue in this module with the appointment object and appointment service. This may be your first time working with JUnit to write formal tests to ensure that a service meets requirements. Many of your previous applications or assignments may have been tested through a user interface or console. However, in this class, you have now learned how to write industry standard unit tests. After writing unit tests for Modules Three and Four, you may have noticed a pattern in testing per requirements. In many cases, some of the tests for each exercise will be similar. However, Module Five introduces a new variable with dates and how to test if a date is in the past. You will also be reflecting on the milestone assignments you have completed in a journal assignment by describing software testing techniques used. Be sure to incorporate any feedback that you have received on any milestone assignments before submitting Project One next week in Module Six.

Module at a Glance

This is the recommended plan for completing the reading assignments and activities within the module. Additional information can be found in the module Resources section and on the module table of contents page.

1 Review the Module Five resources.

2 Submit the Module Five milestone.

3 Complete the Module Five journal.