**SE401: Software Quality Assurance & Testing**

**Activity 7.2: Equivalence class and Boundary value Testing Strategies**

**Overview**

In this Activity, you will explore test equivalence class and boundary value testing strategies.

**Procedure**

1. Download the sample code: hypertension.zip
2. Design and implement tests for the "blood pressure diagnosis" function. Implement each of the following test strategies (perhaps with different test methods), so that you will be able to tell if there is any difference in the ability to find defects.
   1. Using equivalence class test values
   2. Using boundary value test values
   3. Identify defects, if any, in the software under test (SUT).
   4. Fix any defects that you found, and re-run the tests.
   5. Try to inject one or more defects that would be caught by one of your test sets (equivalence class or boundary value), but not by the other. Run your tests on the modified code and document the results in your report. If you are successful, leave these defects (documented) in the code you submit.

Prepare a PDF report (named "SE401-psuID-activity7-2.pdf) on your activity experience, including:

* Your name and activity identification
* Your description of the activity experience and any remaining questions that you have.
* The location of your final test code and source code