

## COP2806C Module 2 Programming Assignment Part 1: Working with Classes and Dependencies

In this assignment we will implement the "My Documents" application (aka "Bob") from Ch. 2 of our Spring textbook and examine the testing behavior. Follow the instructions in the text to create the project and execute the application, then continue with the instructions below.

After building and testing the application, snip the window showing successful execution; save this snip for submission.

Now make the following modification: In the MyDocumentsTest class; in the testFindByType method, change the expected returned list size to 2 instead of 1 to force a failure of this test.

```
public class MyDocumentsTest {  
    ...  
    public void testFindByType() {  
        ...  
        assertEquals(documents.size(), 2);  
    }  
}
```

Build and run the tests again. Note that we can't always trust an incremental build to produce a legitimate test, we frequently will want to clean our build first (remove all artifacts, including .class files) and then rebuild to be sure we are starting from a clean slate. To do this, run

```
gradle clean build
```

from the top level folder. This will clean your build environment, build the application, and run the tests. You can do the clean as a separate step if desired.

Your change will force a failure of the test which will provide a failure report, use the link provided in the output to bring up the report ([file:///...](#)); snip the report screen and save the snip for submission.

Revert your change in MyDocumentsTest so the tests are all successful again, then repeat the above step for the Spring tests (MyDocumentsSpringTest.java). Save your report snip for submission.

Revert your final submission code to the functional version (no test failures).

Submit your project folder to the GitHub classroom repo; include the three screen snips as described above in your repo submission. There is no Canvas submission for this assignment.