

COP2806C Module 4 Programming Assignment: Applying Different Configurations

In this assignment we will explore using Bean Scopes in a Spring context.

The GitHub Classroom assignment repo contains the full Chapter 4 project content from our textbook.

In this assignment, instead of using command line tool, we will use IntelliJ and build/execute using the IDE. This will allow us to view the test class output, which we will enhance with a minor code modification.

Clone the repo, open the isf6 project in IntelliJ and build the project. This will run the tests in Gradle with the typical uninformative output, but we want to see all the fun stuff these classes are printing to the log by letting IntelliJ run the tests!

Right-click on the **test** component in the IntelliJ project navigation menu and select "Run Classes in isf6.chapter04.test"; this will run the tests (you can also click on the isf6 component, or the Chapter04 component). The more verbose and informative output will display in the bottom output pane in the IDE.

One thing I wanted to do was to split the output by XML configuration filename by providing a header for each of the 4 XML configurations as they are executed. I've added a single line of code to one of the test class methods which does this, for instance:

```
***** t1-noproto.xml*****
```

See if you can find the class and method where you can put this line. Hint: the filename shown in this header is the name of the application context, stored in a String variable "configName". A simple System.out.println will display the output, the logger does not need to be used.

Note that we cannot just change the scope in the XML config files to other interesting types, e.g. application or session, without making one other major configuration change; think about the reason why this is (covered in the last chapter).

Submit your changes to the repo and include a screen snip showing successful test execution from the command line after making the modifications.