Module 15: Job Scheduling with Spring

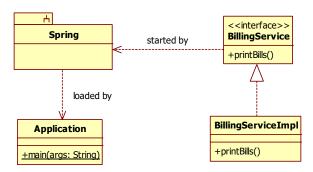
Exercise 15.1 – Spring Job Scheduling

The Setup:

In this exercise, we will provide you with some basic timer code, and ask you to create another timer. Start by opening the exercise-15-1 project, and add the following additional dependencies:

The Application:

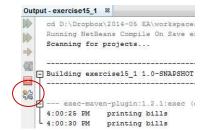
The Java code for this exercise is very straightforward, most of the intricacies of this exercise are found in the springconfig.xml file. The Application loads the springconfig.xml file. Spring has a cron trigger, executing a job every 5 seconds that calls printBills().



Look through the springconfig.xml and the Java code to make sure you understand the different parts that work together to execute this timer. Running **Application.java** should output:

7:10:10	PM	printing bills	
7:10:15	PM	printing bills	
7:10:20	PM	printing bills	

The application continues to run until you terminate it.



The Exercise:

Start by adding a new method called **generateBillingReport()** to the **BillingService** interface.

Then add this method to the **BillingServiceImpl** class – just like the **printBills()** method it should just print out the current time and the name of the method.

Then configure Spring to execute the **generateBillingReport()** method every 10 seconds, and change it so that **printBills()** executes every 7 seconds instead of every 5 seconds.

Your output should look like:

```
4:05:00 PM generate billing reports
4:05:00 PM printing bills
4:05:07 PM printing bills
4:05:10 PM generate billing reports
4:05:14 PM printing bills
4:05:20 PM generate billing reports
```