**Workshop**

Topics:

1. Threads
2. ThreadSafety
3. Serialization
4. Reflection

Prerequisites:

1. IntelliJ IDEA
2. Java SDK 7

Thread Exercises:

Create a new java project with IDEA and JDK 7.

1. In the new project create a ro.teamnet.zerotohero.threads.thread\_creation package.
2. In thread\_creation package two new classes. One class should implement the Runnable interface and one extend the Thread class. In both classes create a new run() method. Create two new threads that execute the run method of the two classes.
3. Create a new thread and change its priority and its name.
4. Create a thread safe counter and two threads that increment that counter to the value of 10;
5. Create an example that uses the wait/notify mechanism.
6. Create an example of object serialization by writing an object stream to a file and then deserialize it from that file.

Reflection