



# Developer Test Task

## Nortal Summer University 2017

And the challenge begins.

Each subdirectory here represents one piece of the test assignment. Each of these pieces is independent, contains its own README.pdf and can be solved separately. Don't worry, they are rather simple and shouldn't take too much of your time.

Solve as much as you can - a partial solution is better than no solution. In addition to making your code work, make it pretty as well. You can even improve existing code. Just make sure you document what you have done to make scoring easier.

## 1. Set Up

All you need is Java installed and some IDE available to simplify coding. Gradle is used as the build system and Gradle Wrapper is provided. This means that you don't even have to install Gradle and can run all commands with either 'gradlew.bat' or 'gradlew' bash script.

Try running 'gradlew.bat tasks' or './gradlew tasks' in the current directory from your command line.

### 1.1. IDE integration

To simplify import of assignments to your IDE run 'gradlew.bat eclipse' or 'gradlew.bat idea' depending on the IDE in use. This will generate IDE specific project files that allow it to be imported as an existing project to the IDE.

### 1.2. JRebel for Java assignments

If you plan to run Java assignments from your IDE, make sure to add jrebel agent parameters to Launch configuration. When running with gradle from the command line, you can add required parameters by using information from here: <http://manuals.zereturnaround.com/jrebel/standalone/launch-quick-start.html#java-1-5-and-newer> and here: <http://stackoverflow.com/a/25079415>



## 2. Wrap Up

Once you have completed your development, run 'gradlew.bat createSubmissionZip' in the root directory, where current README.pdf resides. Your results will be packed to assignment\_submit.zip under build directory. This is the file you need to upload as well.