

# TDD Trainer - User Manual

Hello and welcome, thank you for using our TDD Trainer (TDDT), an easy tool to learn test driven programming in Java.

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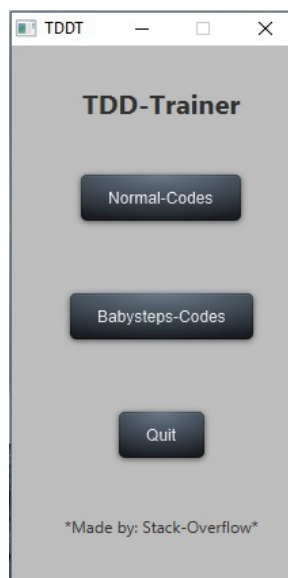
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## How to run TDDT

- 1.: In your shell, change your directory to where you installed the TDD Trainer.
- 2.1.: Windows: Start the program with the command "gradlew.bat run"
- 2.2.: Linux: Use the command "gradlew run"

## Main menu

Here you can choose between normal and babysteps mode. You can also quit the application in this menu.



## File selection

You can choose your file (an exercise) by clicking it once and pressing the next button in the bottom right corner.

Name	Description
Simple Math	Just a calculator with no cli, Basic Operations...(not complete :))
Simple Name Calling	Basic example of Objects
Roman Number Converter	Converts normal Numbers to roman Numbers :O
Basic Template	Free like America? Go ahead :D Clean Template

## ATDD

Write an acceptance test in the top text field. The bottom two text fields are reserved for errors (see Errors). After that is done you can press the next button.

```
import static org.junit.Assert.*;
import org.junit.Test;
/*
    add your own methods here
    if you want to change the acc test class name - change it in the code and in the xml file 'exercise'
    e.g acc name="YourNewName"
*/
public class BasicTemplateAccTest {
    @Test
    public void superImportantTestHERE() {

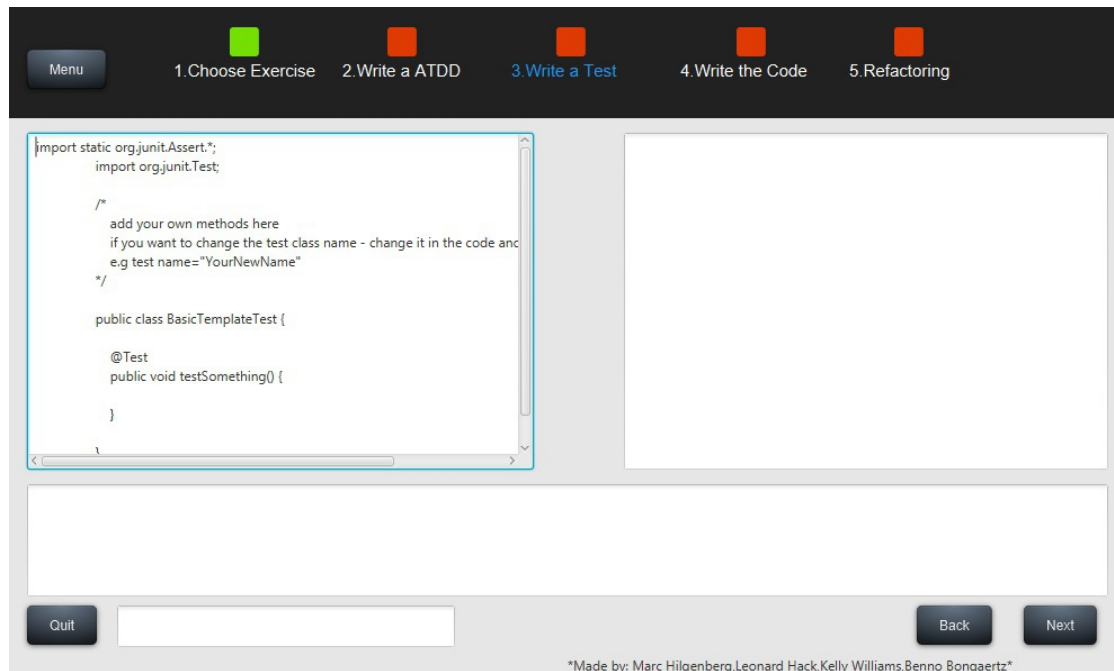
    }
}
```

## Normal mode

The basic mode. Write your tests and code normally. With the next button you will get to the next phase and with the back button you will get to the phase you were in before. Tip: the top row not only indicates in which stage you are in but also shows which of those are completed at this moment.

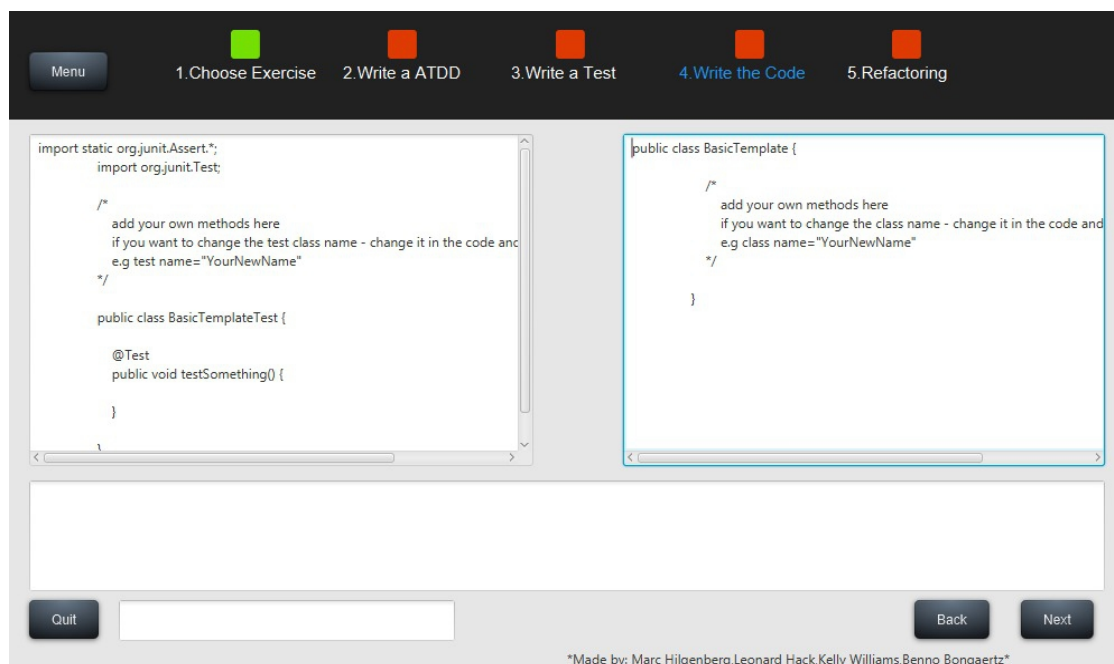
## Test phase

You should write a small test here and press next.



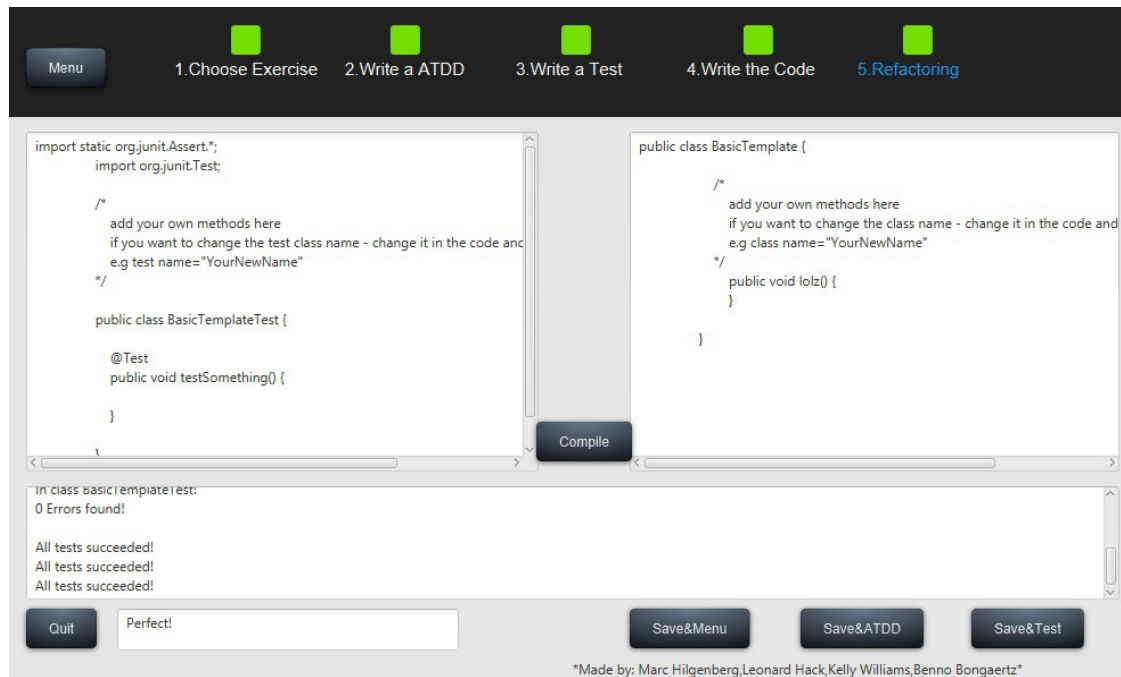
## Code phase

Now you can write code that passes the test you just wrote.



## Refactoring

You get to this stage if your code passes all acceptance and normal tests and if your code compiles, obviously. Here you should improve your code, for example by eliminating redundancies. Besides you can compile your work now (center button) or save your progress and switch to the menu/ specific phase (bottom right).

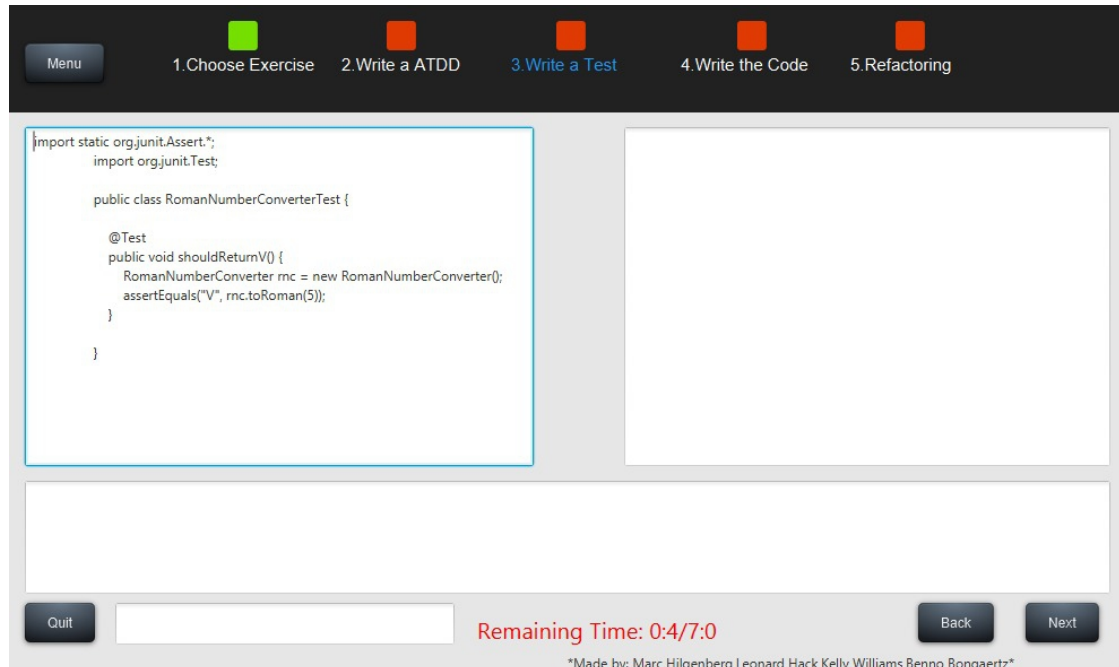


## Babysteps mode

An advanced mode for test driven development.

### Changes to Test and Code phase

You now have a limited time for these two phases. If you can't make it in time your code will reset. The countdown timer will be located in the bottom center of the window.



## Errors

In the two bottom text boxes compile errors and test-errors will be shown. Test-errors indicate whether your code passed the recent test or not. In the code phase you can only progress by passing the test you wrote before.

