

Lab: JUnit Tests

Tasks to do

1. Import a project *Lab_04_JUnit* to Eclipse. Write a class *MoneyBagTest* including method *setUp()* and methods for testing of the following methods of *MoneyBag* Class:
 - (a) *addMoney()* – 4 tests;
 - (b) *contains()* – 4 tests.

Notes: Every test case has to be documented. The documentation includes the following info:

- what the test case (TC) checks;
- what input data TC uses;
- what is “expected” result is.

The example of such documentation is below:

```
@Test
//checking functionality: adding the same type of money to MoneyBag
//input data: object Money amount 10, type CHF
//expected result: 24CHF (object Money(24, "CHF"))
public final void addMoney_add_10_14_res24() {
    IMoney expected= m24CHF;
    Money bag[] = {new Money(10, "CHF")};
    MoneyBag result = new MoneyBag(bag);

    assertEquals(expected, result.addMoney(new Money(14, "CHF")));
}
```

2. Add written tests to the Test Suit and execute all existing tests (from *MoneyTest* and *MoneyBagTest*) together.

Notes: It's worth to read attached documents explaining what is Unit Testing in Java and how to use the framework Junit:

- [Junit.pdf](#)
- [Using JUnit 4 for Eclipse.pdf](#)