

Software Engineering - Lecture 4

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1 Parametrised testing in TestNG

It is often appropriate to test the same method multiple times with different parameters (e.g. prime number checking, celcius to fahrenheit converter etc. . .).

TestNG provides Parameterised tests to more conveniently handle such sets of tests. A Parameterised Test is a normal test method which has a mechanism associated with it for running the same test multiple times with different parameters. The simplest form in TestNG is to specify the test method with an annotation that identifies another method that provides the sets of parameters to use a `DataProvider` method.

Then the data source is a private (usually) method which is annotated with *DataProvider* and returns an array of object arrays.

2 TDD - Test Driven Development

see module handouts.

3 Mock objects

see module handouts