**junit projects**

Contents

[ **JUnitUtils** 1](#_Toc164628214)

[ **BaseTestMavenProject** 1](#_Toc164628215)

[ **BaseTestGradleProject** 1](#_Toc164628216)

[ **TestBasicJavaProject** 2](#_Toc164628217)

[ **TestLifeCyclePerClassDemo** 2](#_Toc164628218)

* **JUnitUtils**

Unit Testing

* **BaseTestMavenProject**

Is a base (initial) project for testing using Maven.

* Add JUnit 5 to Maven project

1. Create new Maven project using IntelliJ IDEA

Open IntelliJ IDEA, New Project, Maven

Set the project name and location:

GroupId: com.app

ArtifactId: Calculator

Version: 1.0-SNAPSHOT

1. Add JUnit Dependencies

Go to mvnrepository.com

Search JUnit Jupiter API, JUnit Jupiter Engine, JUnit Jupiter Params

Or only set JUnit Jupiter (Aggregator)

Add in pom.xml

1. Add Maven Surefire Plugin

* **BaseTestGradleProject**

Is a base (initial) project for testing using Gradle.

* Add JUnit 5 to Gradle project

1. Create new Gradle project using IntelliJ IDEA

Open IntelliJ IDEA, New Project, Gradle

Set the project name and location:

GroupId: com.app

ArtifactId: Calculator

Version: 1.0-SNAPSHOT

1. Add JUnit Dependencies

Go to mvnrepository.com

Search JUnit Jupiter API, JUnit Jupiter Engine, JUnit Jupiter Params

Or only set JUnit Jupiter (Aggregator)

Add in build.gradle

1. Executing Unit Test

In terminal:

ls

./gradlew clean test

* **TestBasicJavaProject**

No maven, no gradle

1. Open IntelliJ IDEA, New Project

Language: Java

Build system: IntelliJ

1. Create folder test

Right click, Mark Directory as, Test Sources Root

1. Go to src/ java class, right click in the method, Generate, Test…

* **TestLifeCyclePerClassDemo**

No maven, tests CRUD database of users via Map.