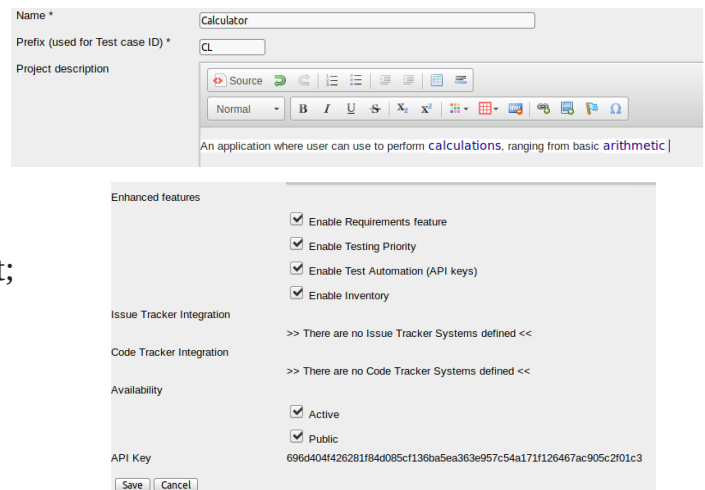# Test Manager tool

-Exercice

After explore the most important type of tests in this course, we finally came up with the tool that should control all teh result of this tests.
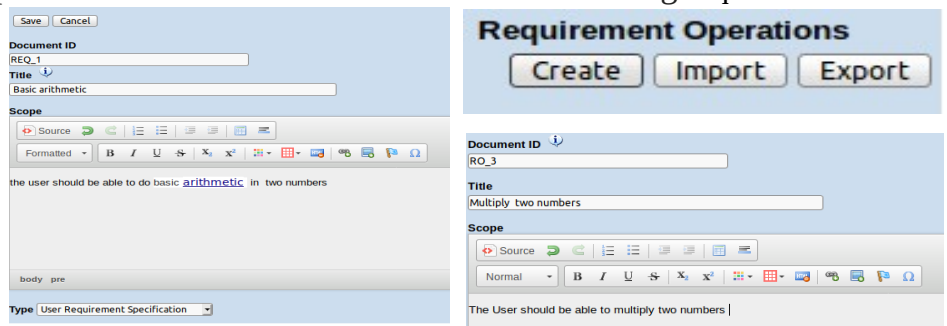
The purpose of this exercise is to explore the **testlink tool** and discuss how to be a best way to manage tests a **web calculator app** ,

1. Create a new project
   a) Give a name to the project;
   b) Give a description to the   project;
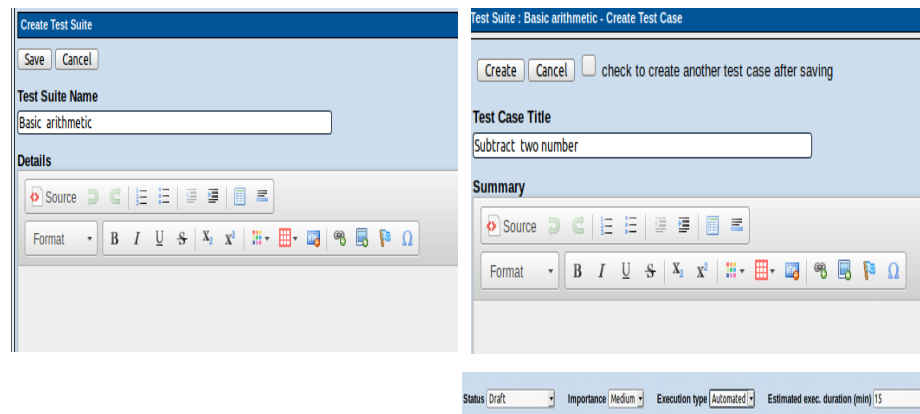   c) Select all the enhanced features

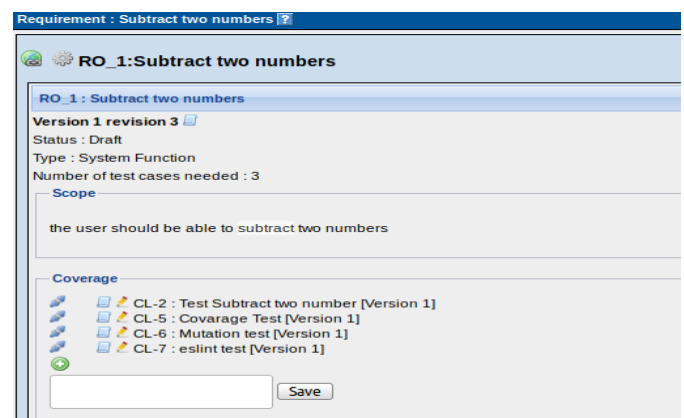2. Create a Requirement Specification for a Basic Arithmetic whit follwing requirement operations:

   a) Subtract two numbers
   b) Add two numbers
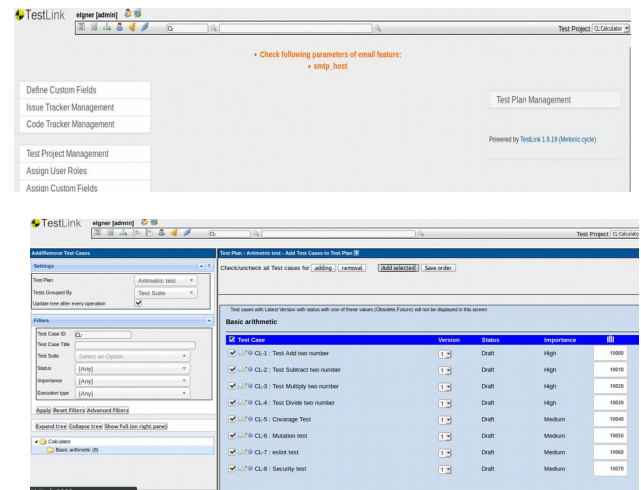   c) Multiply two numbers
   d) Divide two numbers

3. Create a Tets Suite whit follwing Test Case:
   a) Test Subtract two numbers
   b) Test Add two numbers
   c) Test Multiply two numbers
   d) Test Divide two numbers
   e) Covarage test
   f) Mutation test
   h) Security Test
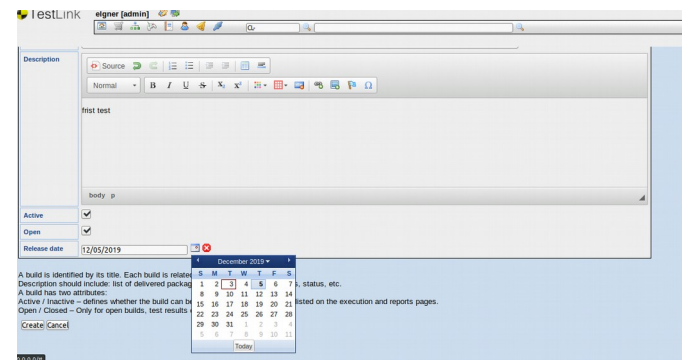   i) Eslint Test

4. Link Test case to the Test Requirement.
   a) Go to Requiremente Specification
   b) On Covarage add test case for the requirement

5. Create a Test Plan in home page
   a) Give a name and description
   b) Add all the test case to this test plan

6. Create a Builds/Releases in home page
   a) Named **version-1**
   b) Give a adata to realease

7. Now inside the folder **calculator_TVVS/react-backend** run the follwing comands , and fill the test result in the testLink test case:
   a) npm run unit-test
   b) npm run covarage-test
   c) npm run mutation-test
   d) npm run test-linter
   e) npm run vulnerability-test

8. In Home page (testLInk) in the section Execute Test execute all the test case according to the results obtained in the previous line.

9. Now inside the folder **calculator_TVVS/react-backend/Tests** in the file test.js try to fix the fails tests and execute again the all test case in TestLink.

10. Generate a report in Home page
   a) Test Reports and Metrics
   b) Metrics Dashboard