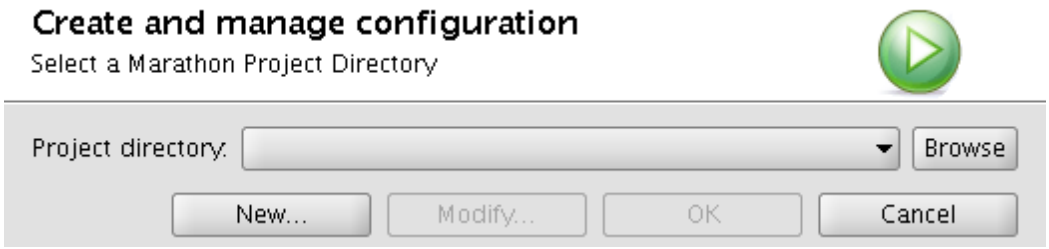
Using Marathon - GUI Acceptance Test Runner with isCOBOL ™ Evolve

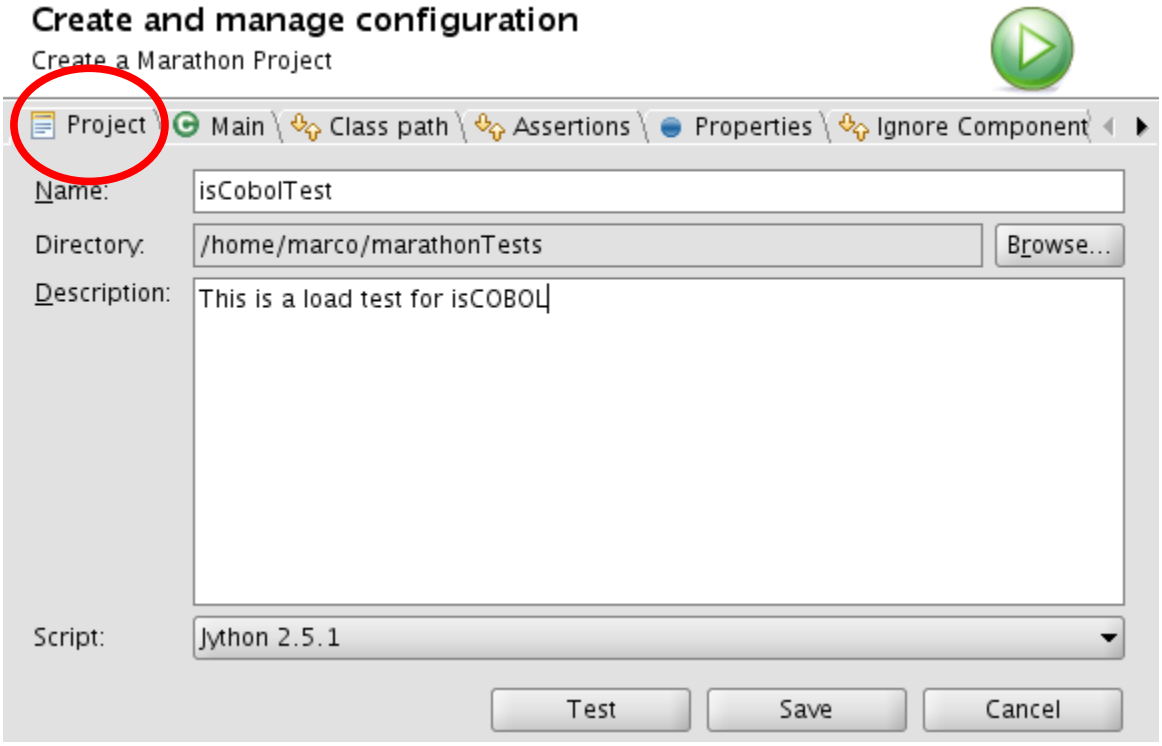
This document assumes that you have general knowledge on the use of Marathon, an open source project on SourceForge at http://sourceforge.net/projects/marathonman/

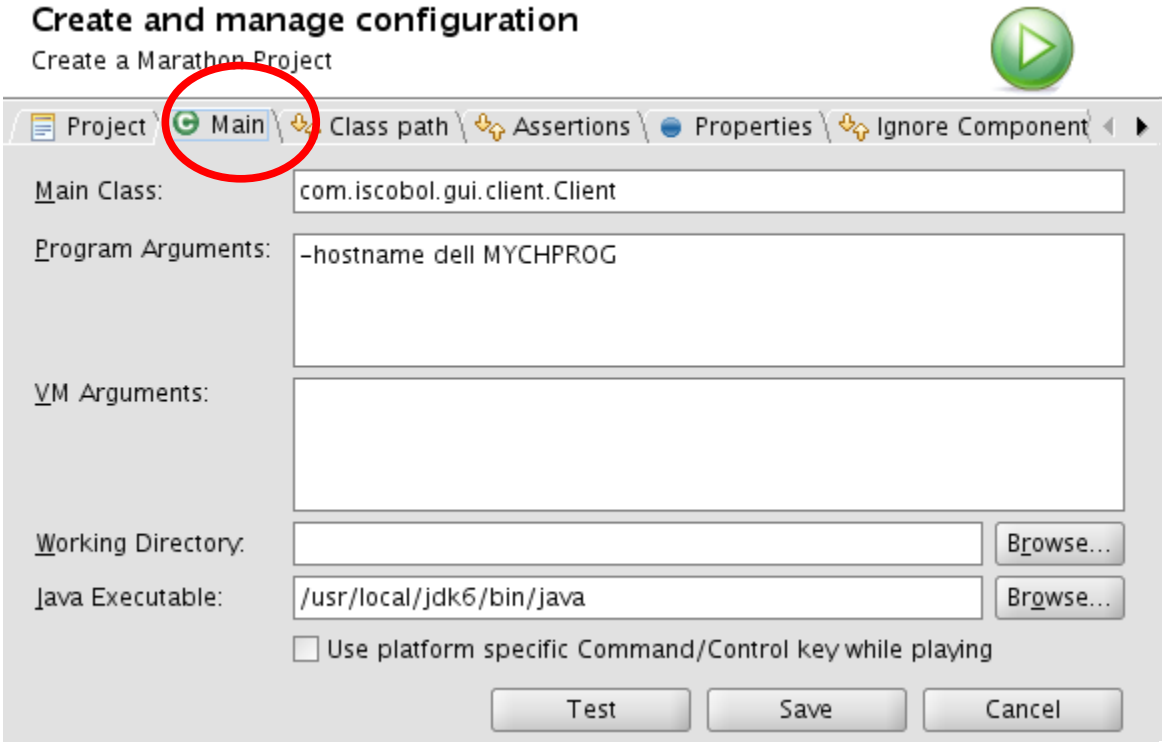
Here are the steps to create a Marathon project:

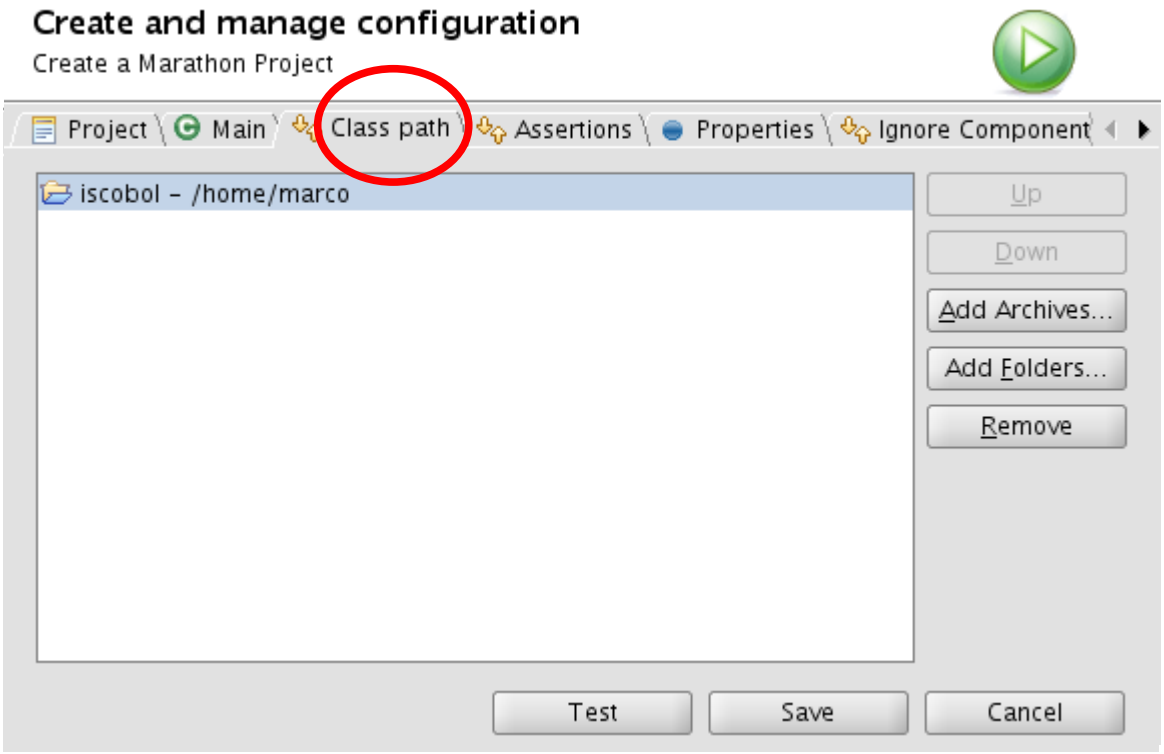
- install marathon according to its own documentation;
- create a directory in which all the configuration will be put; in my project I used `/home/marco/marathonTest`;
- run `marathon`: you'll get a window like the following one, choose 'New';



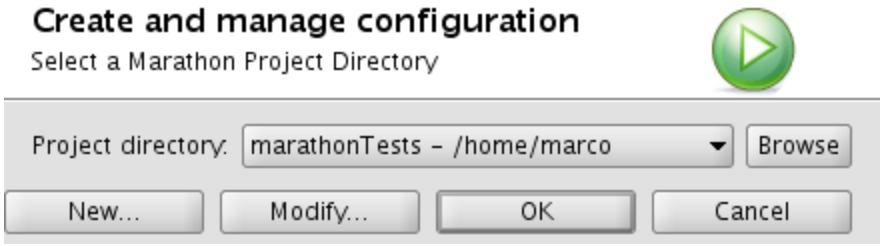
- you'll get a tabbed dialog: In this panel you enter the meta data about the project and also select the type of script you will be using with `marathon`;



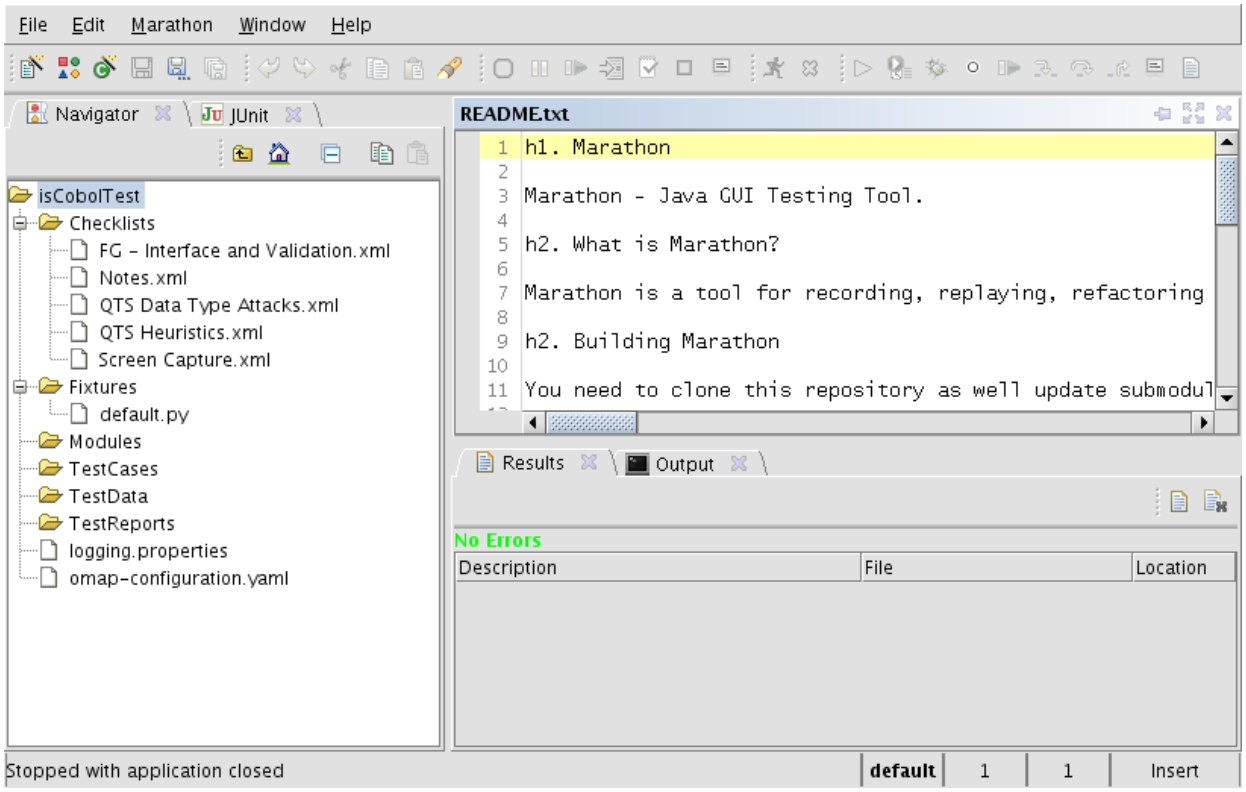




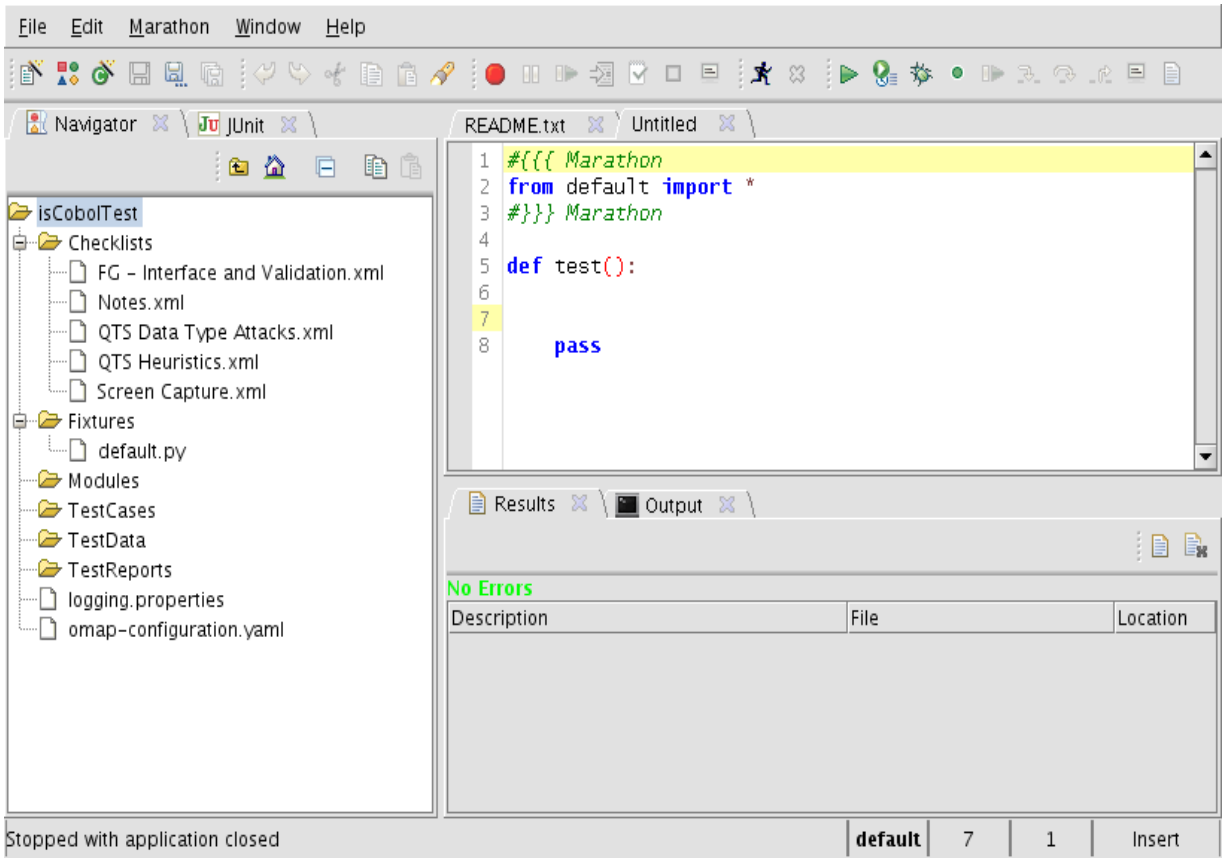
- After filling in the 3 tabs above, you can check to see if the data you specified is correct by pressing the 'Test' button, provided that the Application Server is started; if everything is OK, you'll see your application running;
- Press the 'Save' button, you will see the following dialog;



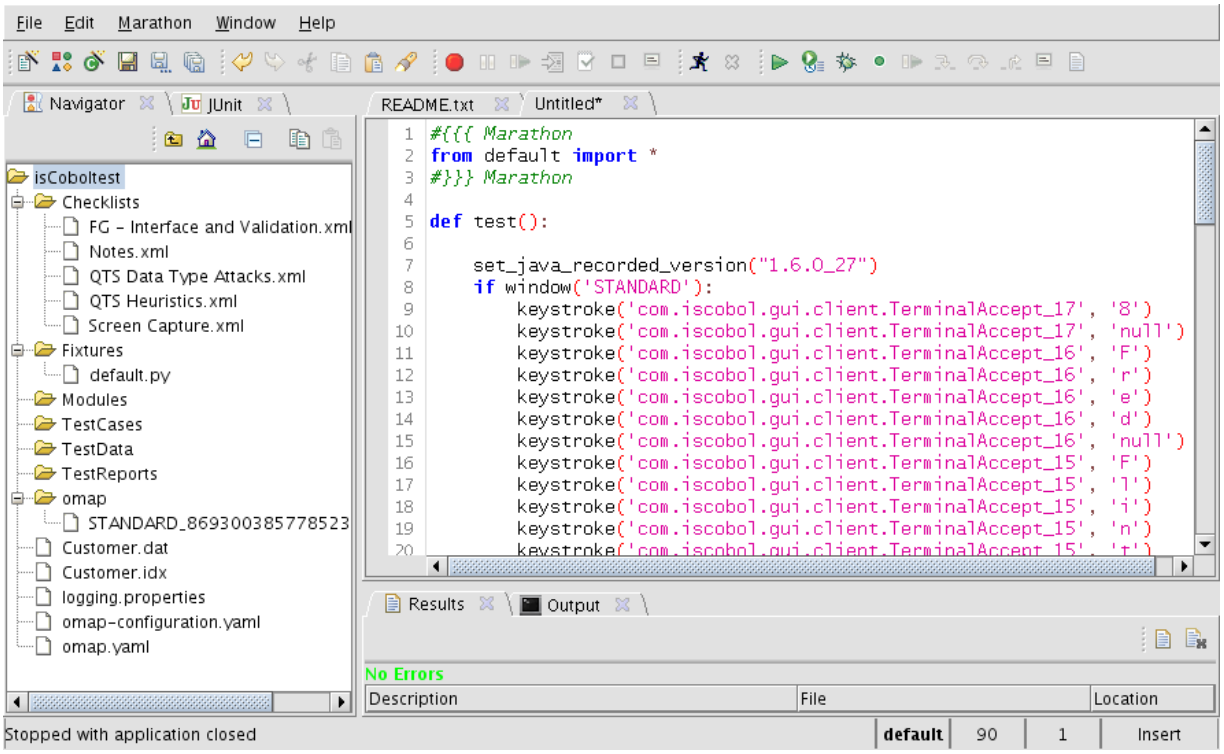
- Press the OK button and proceed on the next window;



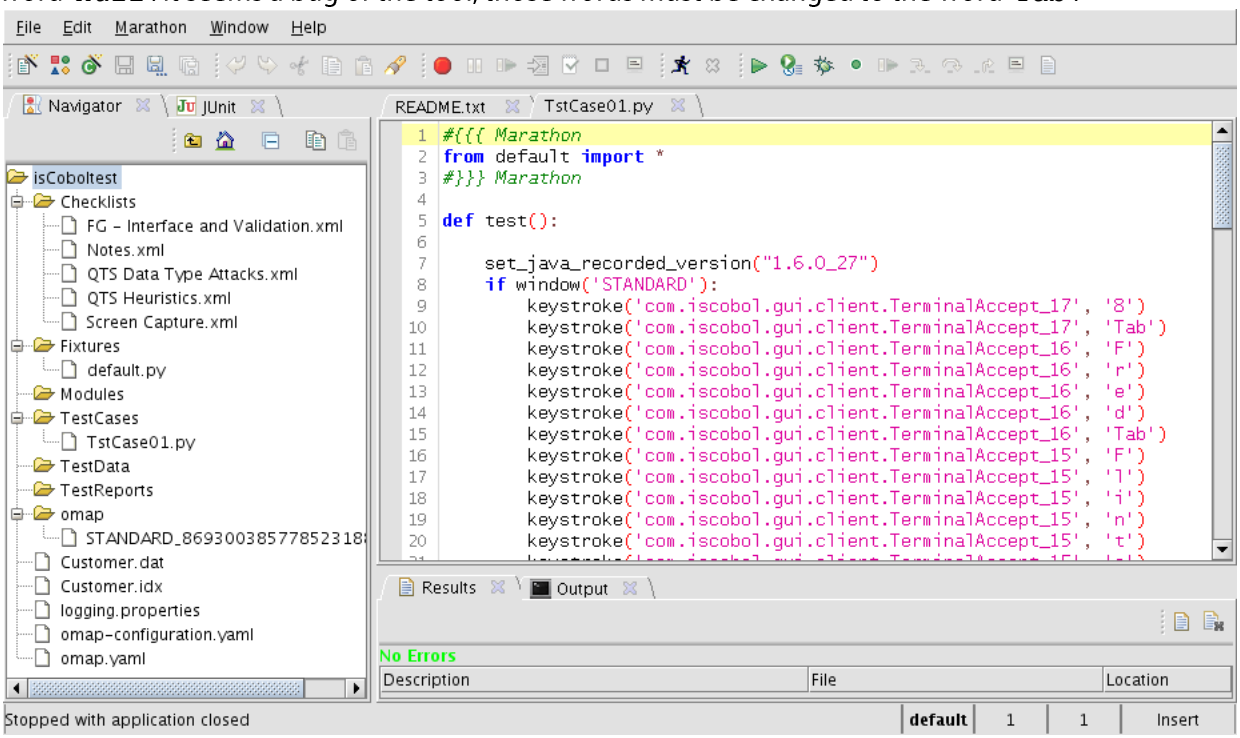
– From the menu 'File' chose '*New->New Testcase*'



– At this point pressing the red button in the toolbar, your application will start and every action you do will be recorded; when you exit from the program you should get something like:



– The script on the right side is the real script to be used in the test; you can note some strings with the word '`null`': it seems a bug of the tool, those words must be changed to the word '`Tab`'.



- At this point, pressing the green arrow in the toolbar you should see your program running automatically.
- Save your script, you can edit it later, if you need it, with your favorite editor too.
- In order to execute the load test, you can run marathon many times from the command line specifying the -batch option and the directory containing your project, e.g.

```
marathon -batch /home/marco/marathonTest
```

I was able to run 10 marathon tests on my XP machine with 1 Gb of RAM.

Note that you can create a script by hand too or you can use a script created from a local application in order to feed a client server application.