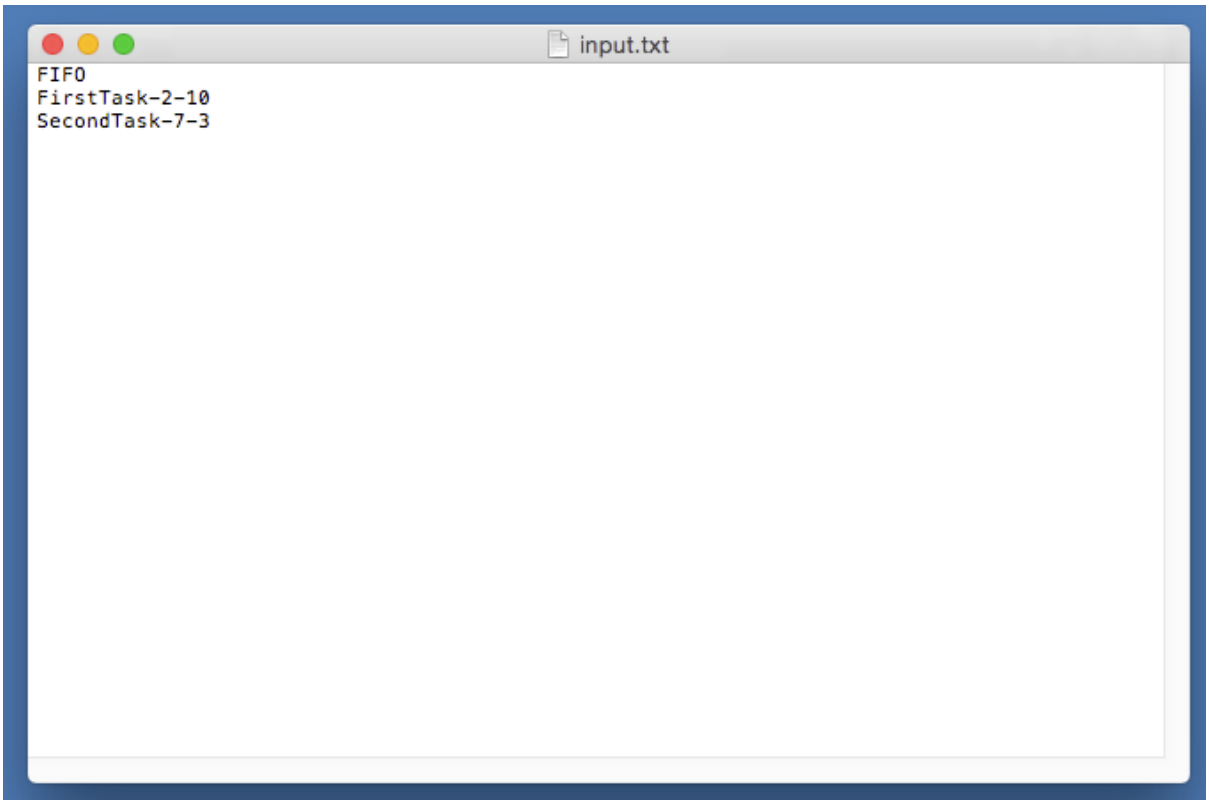
How To Run A Simulation

1- Write a input text file

The first thing that you need to do to run a simulation is write a text file with the informations of the policy that you want to run, and the tasks are going to be simulated. The two policies that are implemented in this system are First In First Out (FIFO) and Shortest Job First (SJF). You can also implement your own policy to make this simulator more adapted to your needs. There is another tutorial that explains how you can write your own policy.

So, the text file must be named "input.txt" and must be on the same folder of the Java project, or the same folder of the runnable JAR file.



You should write a text file that looks like this example.

In the first line you must write the name of the policy that are going to be simulated.

In the next lines you can add tasks to the simulation. The syntax is:

<Task name>-<Arrival time>-<Execution time>

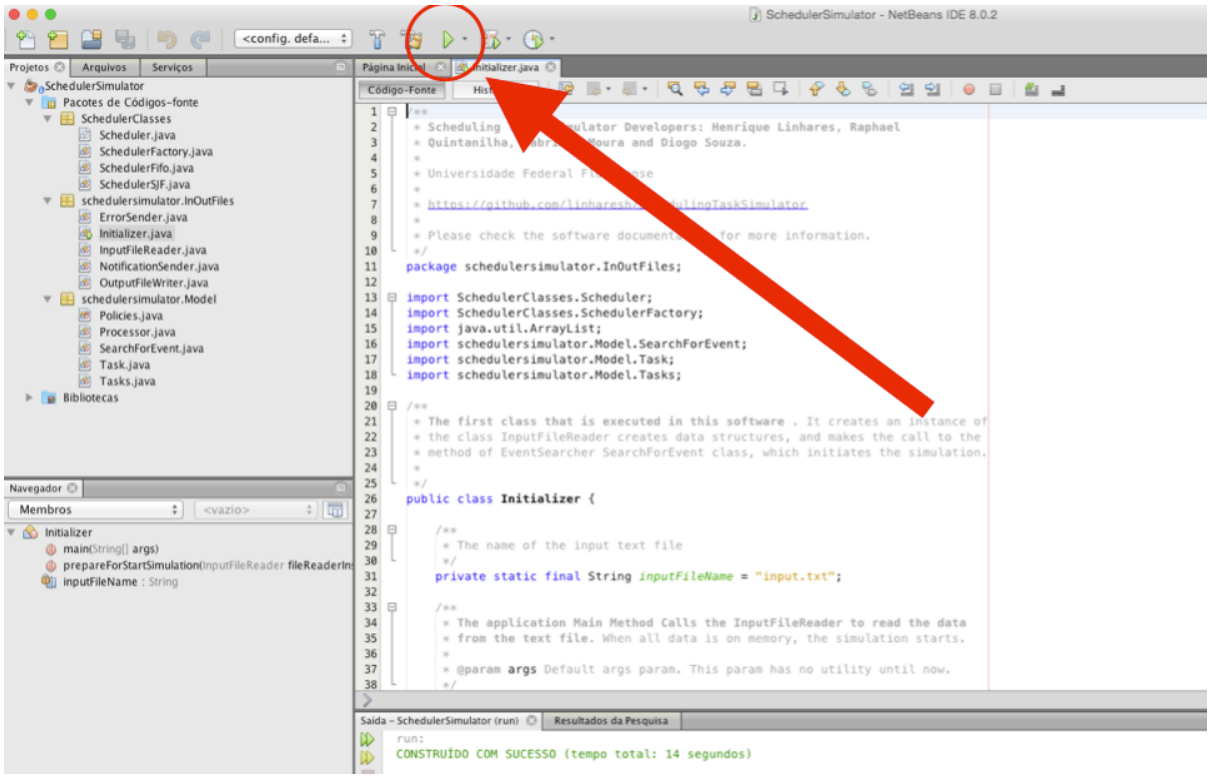
Example:

FirstTask-2-10

The task named FirstTask will enter in the simulation at the time 2 and must run for 10 counts of time.

2-Run the SchedulerSimulator

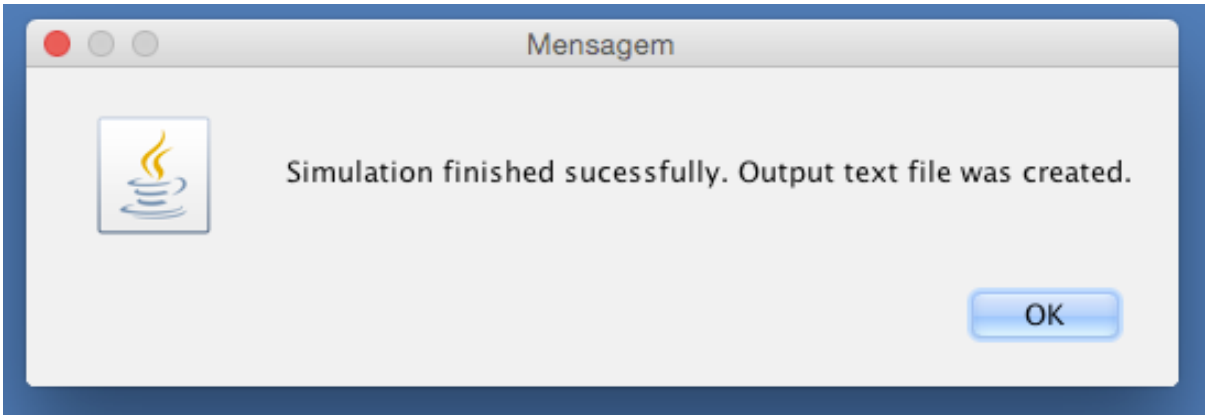
This step is pretty easy. If you are using an IDE to run this software, just click on the Run button:



Example: where you should click to run the simulation if you are using Netbeans IDE.

If you are running the simulator from a .JAR file just be sure that the input.txt file is in the same folder of the .JAR and double click on the JAR.

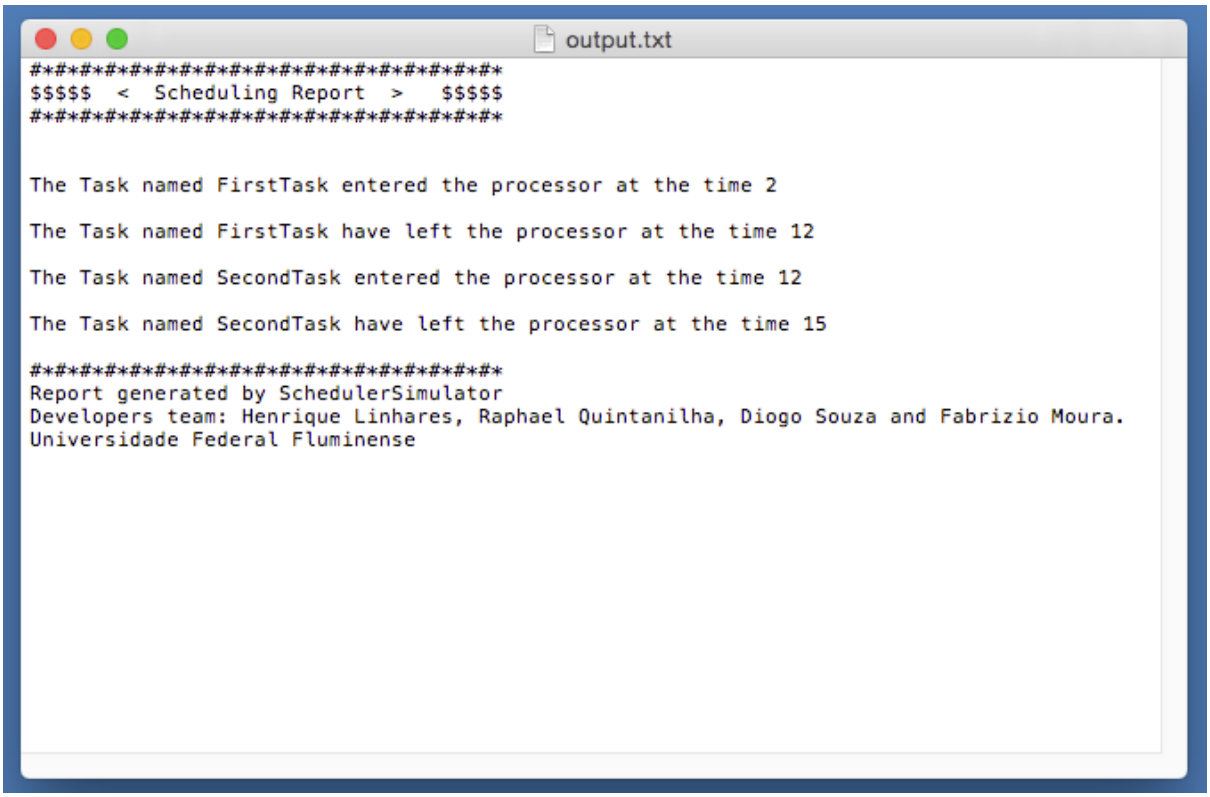
After running the simulator, on the IDE or on the .JAR file, you should see a message that looks like this:



Note: If you wrote the input.txt file not following exactly the rules, you could see some error message right here. If you are having this trouble, try to delete the input.txt file and write a new one. Always try to read the error message, that could explain a lot about your error. If you are stuck here, send an email to the developer team of this software at linhares.h@gmail.com.

3-Read the output file

Go at the project folder, or the .JAR folder and you will see a new file named output.txt. Open this file with your favorite text editor and read the report of the simulation. Here you will see at what time the tasks entered and left the processor.



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https://github.com/linharesh/SchedulingTaskSimulator

Please check the software documentation for more information.