CONSOLE

The structure model of Console doesn’t change, the difference is in the behavior and interaction model.

In The exploration problem the Console isn’t the “subject”, it’s only useful as a windows for the user to monitor the exploration progression.

Console must offer this features:

* Command the robot to start the Exploration;
* Command the robot to start the Exploration with defined START coordinates and map boundaries (only for test purpose);
* Abort the Exploration in every moment;
* Show the exploration progression in a valid and simple way;
* Save the Map;

CONSOLE – COMPORTAMENTO

The Console still be the user interface.

1. At the begin waits that the User commands the Exploration;
2. Then forward this command to Robot and show a clear map;
3. During the navigation may happen 2 event:
   1. The user command to abort the process, so Console have to forward the command to Robot;
   2. Robot find a new cell and notify the cell state, so Console have to save and show the new cell.
4. If the robot naturally ends the exploration notify it to Console that show a message on GUI.