ROBOT – STRUCTURE

The model structure is the same of the Navigation Robot Model. The difference is in the behavior and interaction model.

The Robot offers some of features:

* It moves in the unknown environment;
* Detect objects and transmit the map to Console (in real time);
* Abort the exploration.

ROBOT – BEHAVIOR

1. The Robot waits the Explore command from the Console;
2. Then it starts the exploration as described in the Problem analysis, each time it finds a Clear or Object Cell Robot transmit that info to The Console;
3. The Robot must stop the exploration if receives the abort command;
4. If it naturally ends the exploration, it sends a notification to Console.