



RoboCup @Home Education Standard Platform



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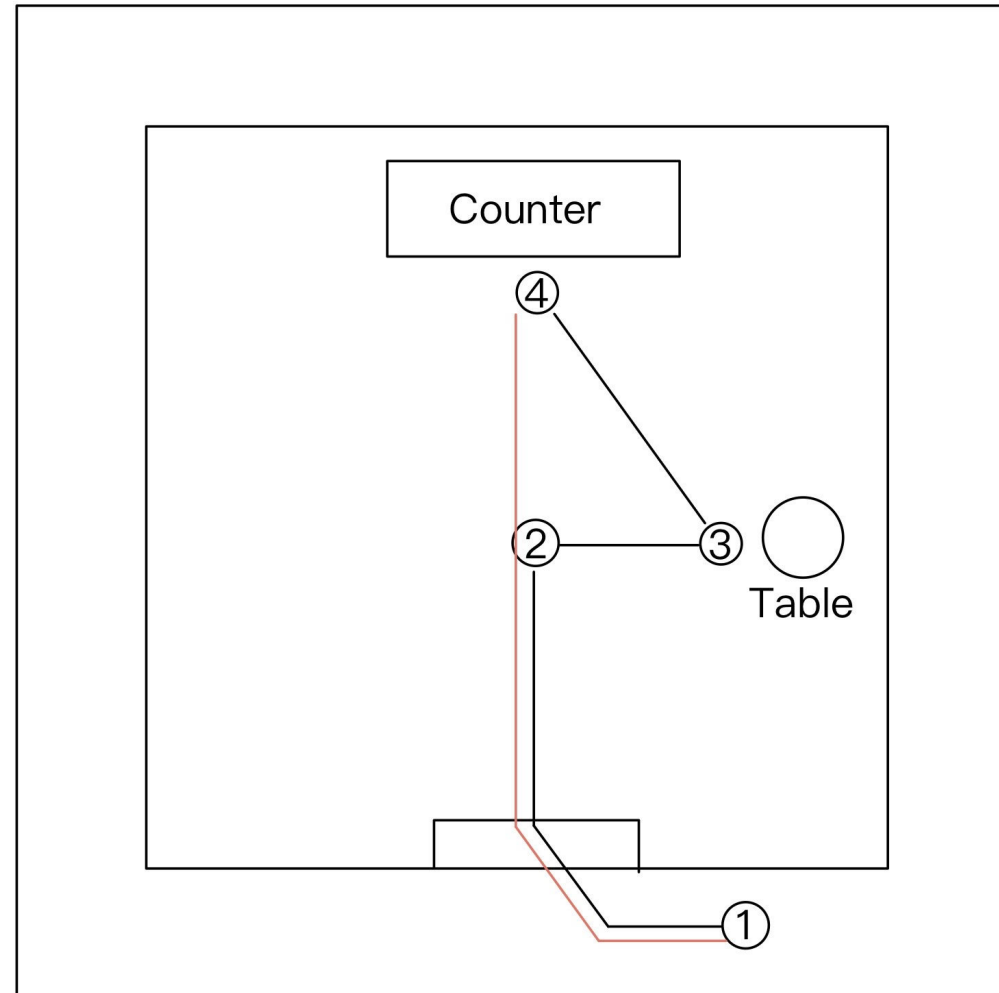
Task: Receptionist

To take care the customer by finding the seat and taking the order. Then, go to tell John (the owner) about the customer's information and order.

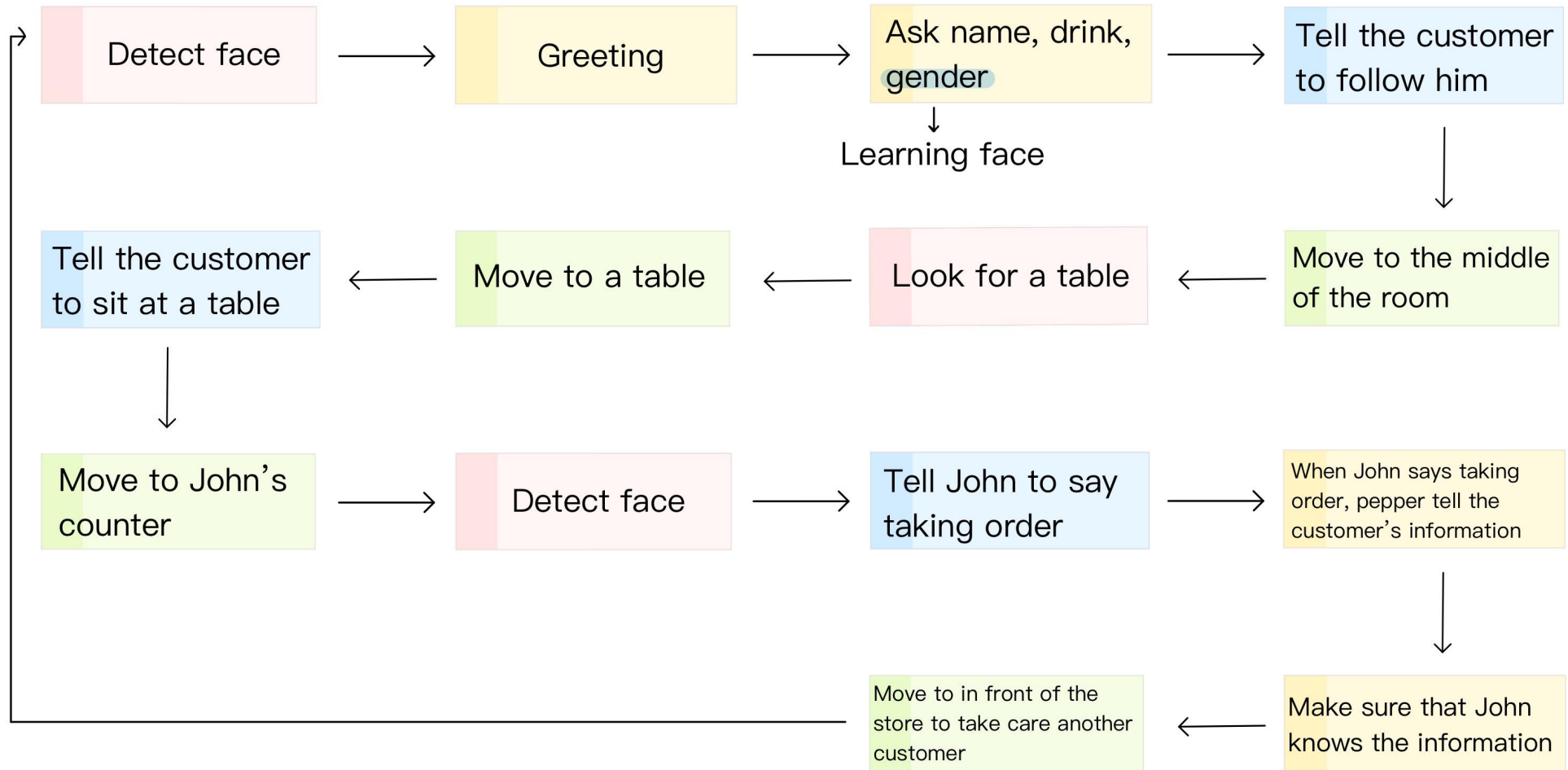
Source code: Github

<https://github.com/fahnapatsakorn/QualifyRoboCup2022.git>

Map



Flowchart



● = Vision ● = Dialog ● = Say ● = Move

Choregraphe

receptionistpeper* - Choregraphe (Connected to a virtual robot)

File Edit Connection View Help

Not running

Project files

root

behavior_1

- Exempl...
- Exa...
- Exa...
- behavi...

translations

- ask drink
- counter.pmt
- frontstore....
- manifest.xml
- middleofth...
- receptionist...

Box libraries

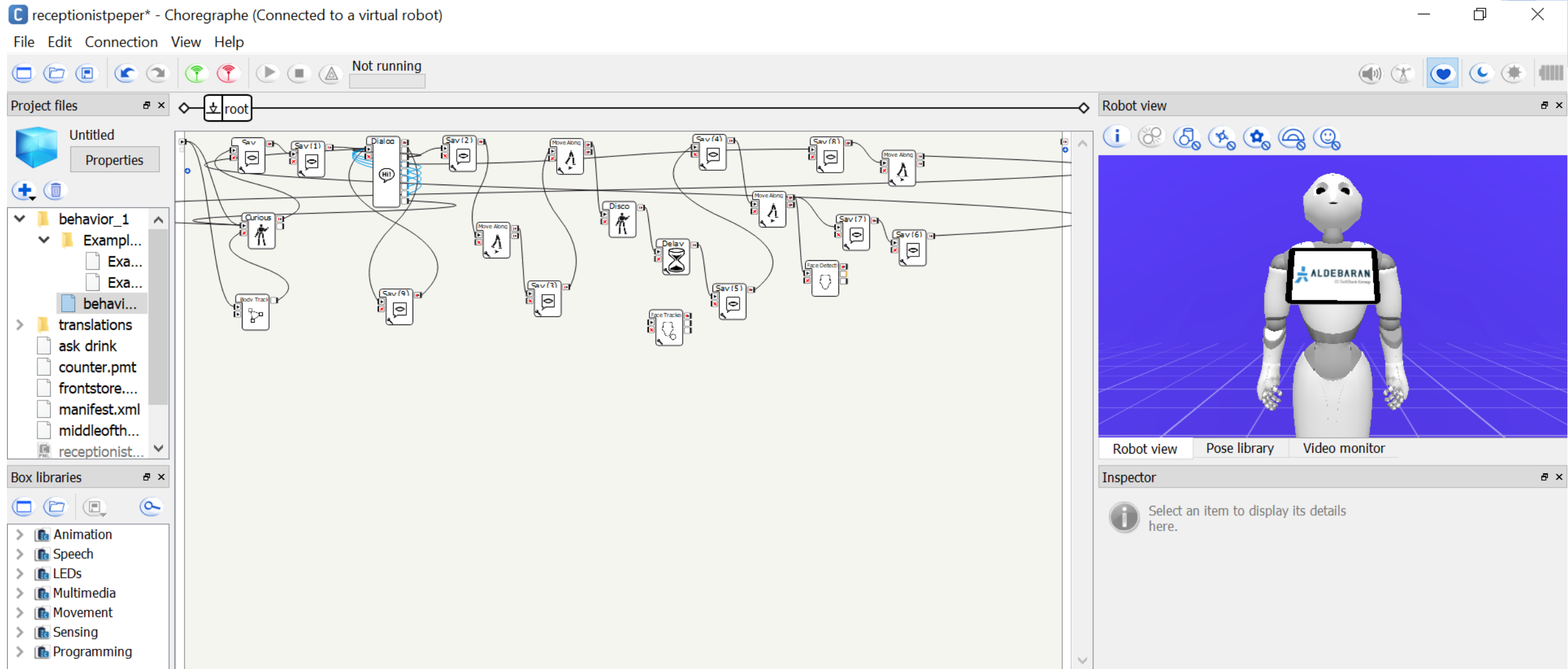
- Animation
- Speech
- LEDs
- Multimedia
- Movement
- Sensing
- Programming

Robot view

Robot view Pose library Video monitor

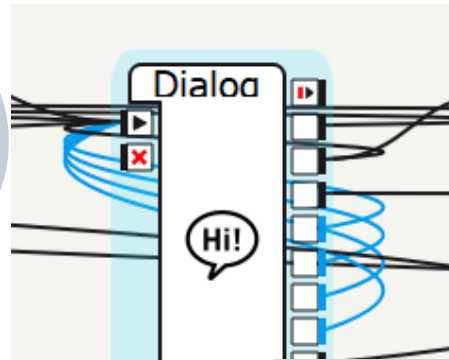
Inspector

Select an item to display its details here.



Dialog box

- This box is used to talk with people and make a dialog by a given .top file.
- The robot can execute other activities or do something when people say the keywords.
- In this situation, we use the dialog box to talk with customers, ask for the information, answer yes/no questions and activate the move and say box.



Script editor

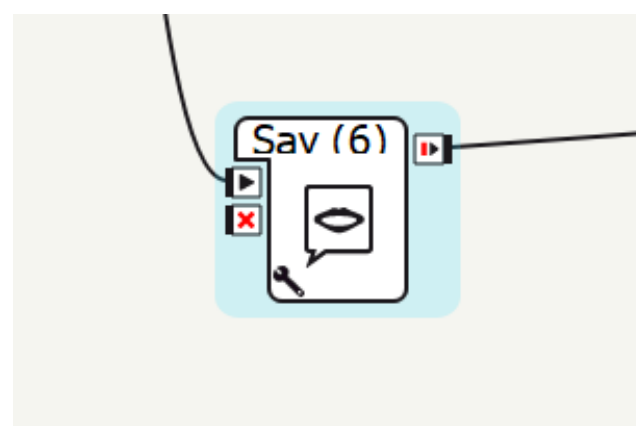
behavior_1/ExampleDialog/ExampleDialog_enu.top

```
10 concept:(repeat) [repeat understand]
11 concept:(thx) ["thank you" thanks gracias "much obliged" merci]
12 concept:(hello) [hello hi hey "good morning" greetings]
13 concept:(bye) [goodbye "see you agian" "have a nice day"]
14 concept:(drink) [coke water coffee tea milktea milk latae amaricano]
15
16 u:(~hello) ~hello, Do you want some drinks?
17 # u2:(~yes) Good!, What's your name? $playAGame=1
18 u1:(~yes) I am going to take your order. What would you like to drink?
19   u2:({"I want some" "I want"} _["coke" "water" "juice"]) Good
   choice, I will remember it and you want some $1 $drink = $1 . What's your
   name?
20   u3:({"My name is" "My name's"} _["Tom" "Jimmy" "Bill"]) Great,
   I remembered your name is $1 $name = $1 . What's your gender?
21   u4:({"I'm" "I am" "a"} _["man" "woman" "male" "female"]) OK
   thanks, you are $1 $gender = $1 . Finish! I have got your order. $overdi=1
22   u1:(~no) Nevermind have a nice day,~bye $no=1
23
24 #u:(~drink) good choice! $overdi=1
25 u:("Taking order") The customer is a $gender name $name wants $drink Do you
   get the order information?
26   u1:(~yes) Okay $saything=1
27   u1:(~no) The customer is a $gender name $name wants $drink . Do you
   get it?
28     u2:(~yes) Alright $saything=1
29     u2:(~no) The customer is a $gender name $name wants $drink BYE
   $saything=1
30 #u:(My name is _["Tom" "Jimmy" "Bill"]) great, I remembered your name is $1
   $name = $1
31 #u:(I am ["10" "20" "30" "40"] year old) alright, your age is $1 $age
```

Ln 1 Find

Say box

- This box is used by the robot to speak words according to the written input.
- In this situation, we use the say box to tell what Pepper are going to do, for examples
 - "I'm looking for the table",
 - "I'm going to take care another customer".



C Set parameters of Say (2) ? X

Parameters

Voice shaping (%) 100

Speed (%) 110

Text

☒ Auto-update parameters on robot

Move Along box

- The robot moves along a trajectory given by an attached .pmt file.
- The robot walks on the floor. We have to create the part to the target by creating the planar move file, so that the robot can move to the targets.
- In this situation, the robot moves from in front of the store to the middle of the room and to the owner's counter.

