Nocom-Pila

Robocup 2022

Nocom-pila

Universidad Rey Juan Carlos
GIRS
nocompila.urjc@gmail.com

May 10, 2022

Introduction

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

- Carry my Luggage: The robot has to enter the arena, pick up the correct suitcase and follow the operator to the car. then return to the arena.

Introduction

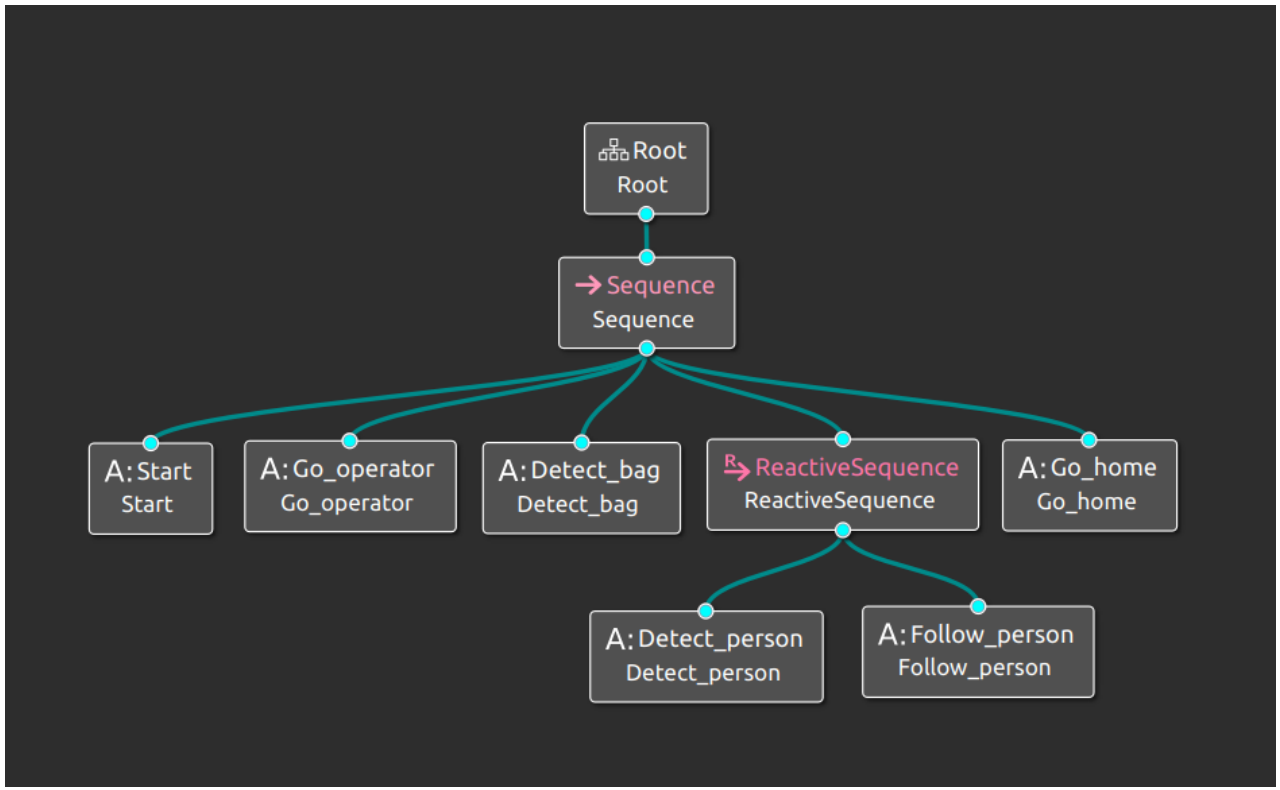
Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

- Carry my Luggage: The robot has to enter the arena, pick up the correct suitcase and follow the operator to the car. then return to the arena.
- Find my mates: The robot must find a maximum of 3 people sitting inside the arena, gather their data and report said data to the operator.

Implementation

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

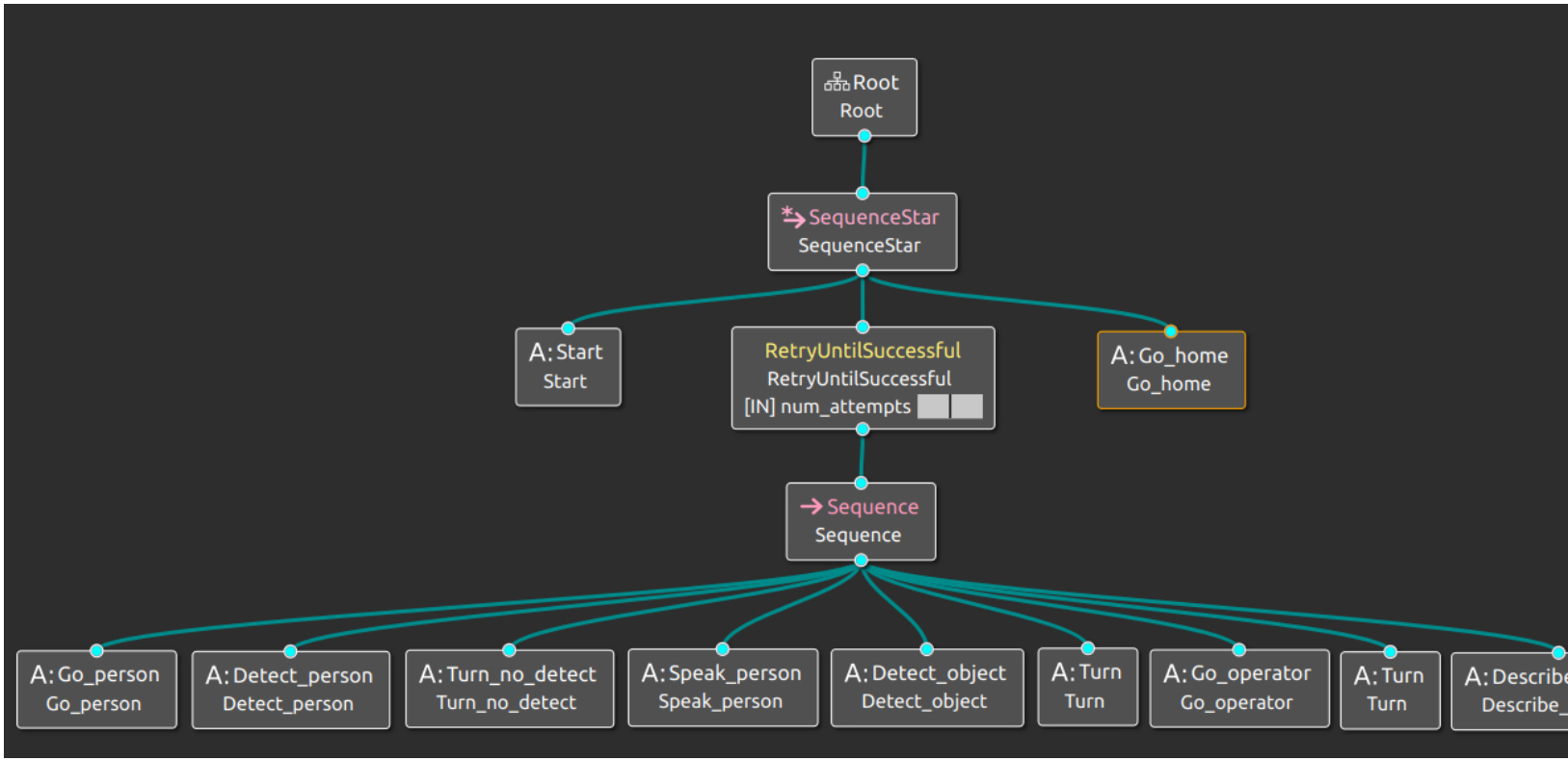
- Carry my Luggage BT.



Implementation

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

- Find my mates BT.



Software: launchers

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

Launchers

launchers1.launch
launchers2.launch
fmm.launch
cml.launch

Software: classes

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

Classes

chatbot.cpp
nav.cpp

Software: nodes

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

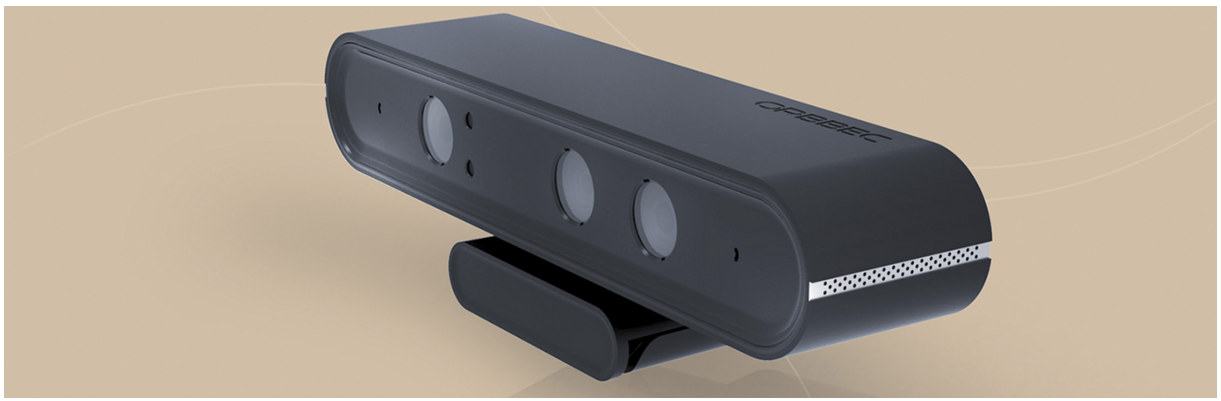
Nodes

nodo_fmm
nodo_cml

Hardware

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

- Astra camera



Hardware

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end

- Rplidar

The end

Introduction
Implementation
Implementation
Software
Software
Software
Hardware
Hardware
The end