

IMERIR

Ecole d'ingénierie informatique et robotique



KUKA MOUSE 6D

CREATE YOUR OWN SCENARIO



MAIL: OLVIER,LEGER@IMERIR.COM

CHARACTERISTICS


Program:

- Langage: C#
- Library: Newtonsoft Json / novalinx kuka / TDX Input
- GITHUB: https://github.com/Blackout76/KUKA_scenario_Mouse6D

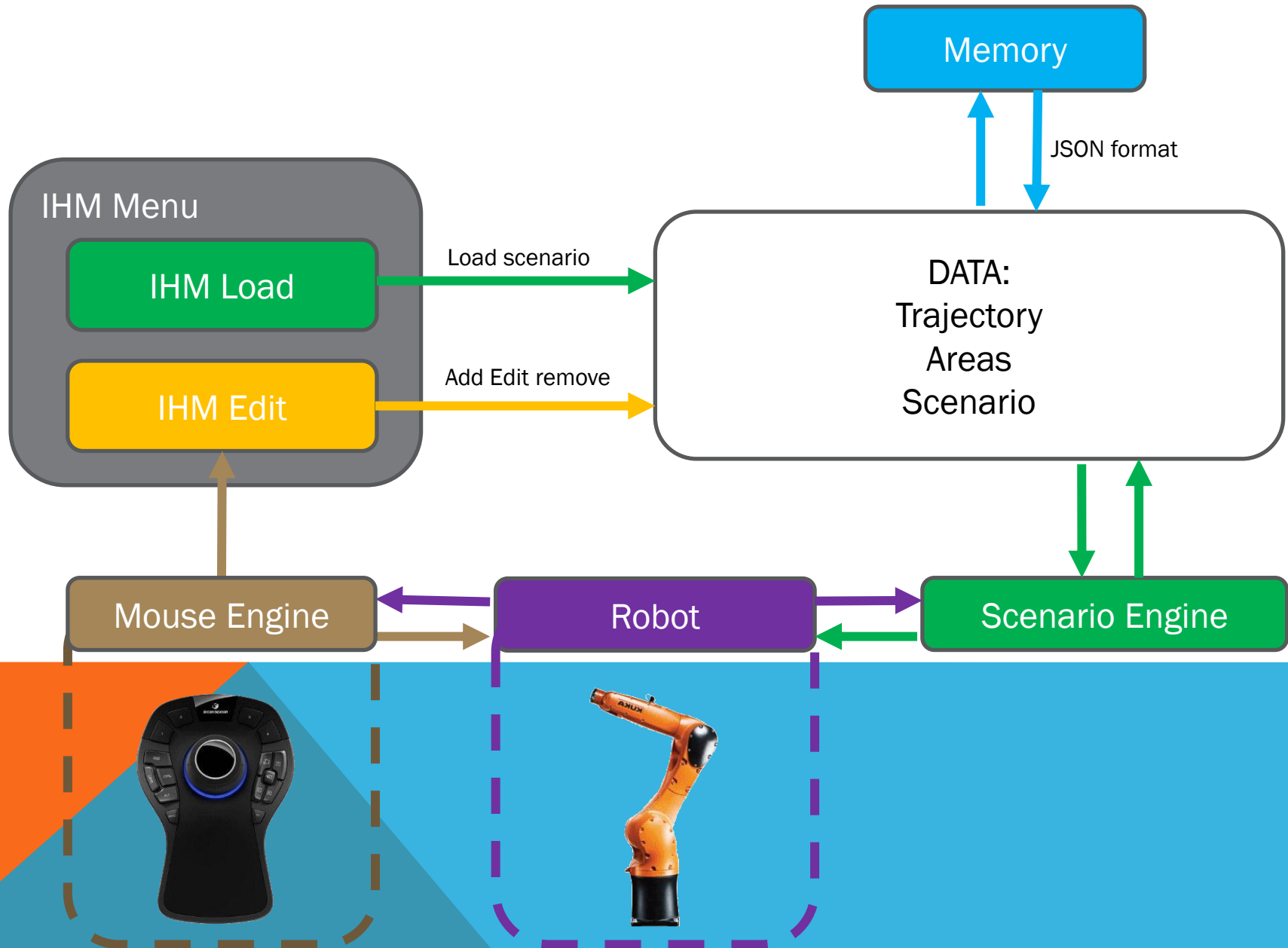
Tools:

- 6D mouse : 3D connexion Pro
- KUKA KR6 Agilus
- Microsoft Visual Studio Community 2015

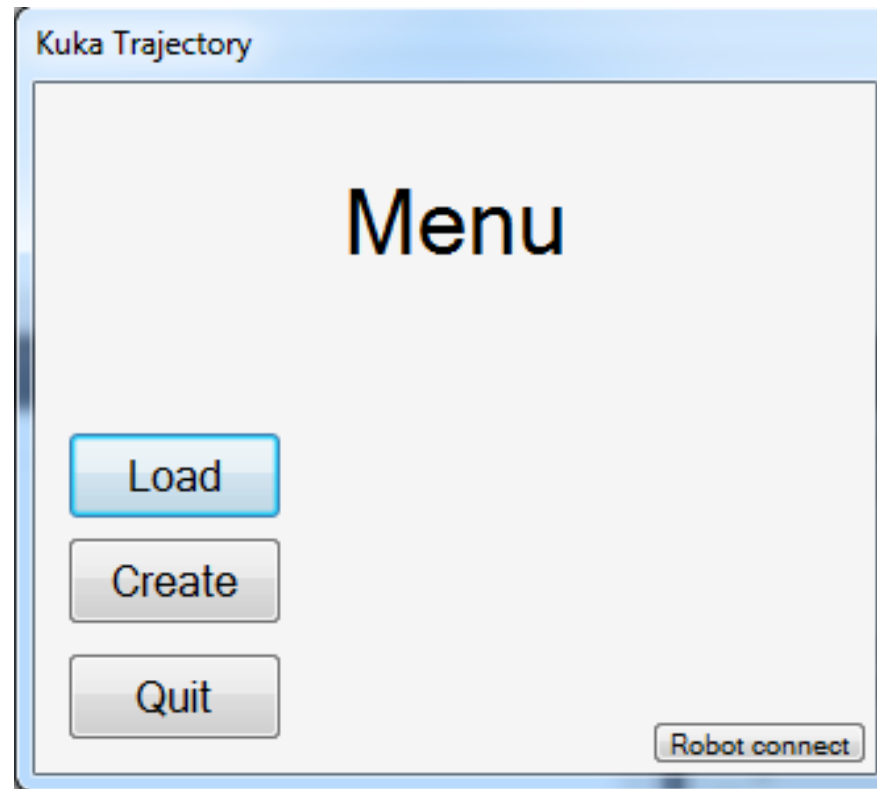
Works:

- 4 hours for robot debug
 - ~ 3900 lines of code
- 

PROGRAM ORGANISATION



IHM MENU



IHM EDIT TRAJECTORY

Create Job

Robot Infos

x: 0 A: 0 Speed Motion: 1.0 - +

y: 0 B: 0 Rot Motion: 1.0 - +

z: 0 C: 0 ☐ gripper

trajectory areas Scenario

0 : name>Pick from base0 nbPts>2
1 : name>Pick from base0 out nbPts>2
2 : name>Drop from base0 nbPts>3
3 : name>Drop from base0 out nbPts>3
4 : name>Go to Test capteur nbPts>2
5 : name>Go to Test capteur out nbPts>2

Remove

Create Trajectory

Name Nb Points: 0

Remove

add point add trajectory

cancel save

Robot
infos

IHM EDIT AREA

Create Job

Robot Infos

x: 0 A: 0 Speed Motion: 1.0 - +
y: 0 B: 0 Rot Motion: 1.0 - +
z: 0 C: 0 ☐ gripper

trajectory areas Scenario

0 : name>Stock area size> (4:4)

Remove

Create Area

Name

☐ MonoPoint

P0	0	0	0	0	0	0	s
P1	0	0	0	0	0	0	s
P2	0	0	0	0	0	0	s
P3	0	0	0	0	0	0	s

Nb spot X 2 Nb spot Y 2 add area

cancel save

Create Job

Robot Infos

x: 0 A: 0 Speed Motion: 1.0 - +
y: 0 B: 0 Rot Motion: 1.0 - +
z: 0 C: 0 ☐ gripper

trajectory areas Scenario

0 : name>Stock area size> (4:4)

Remove

Create Area

Name

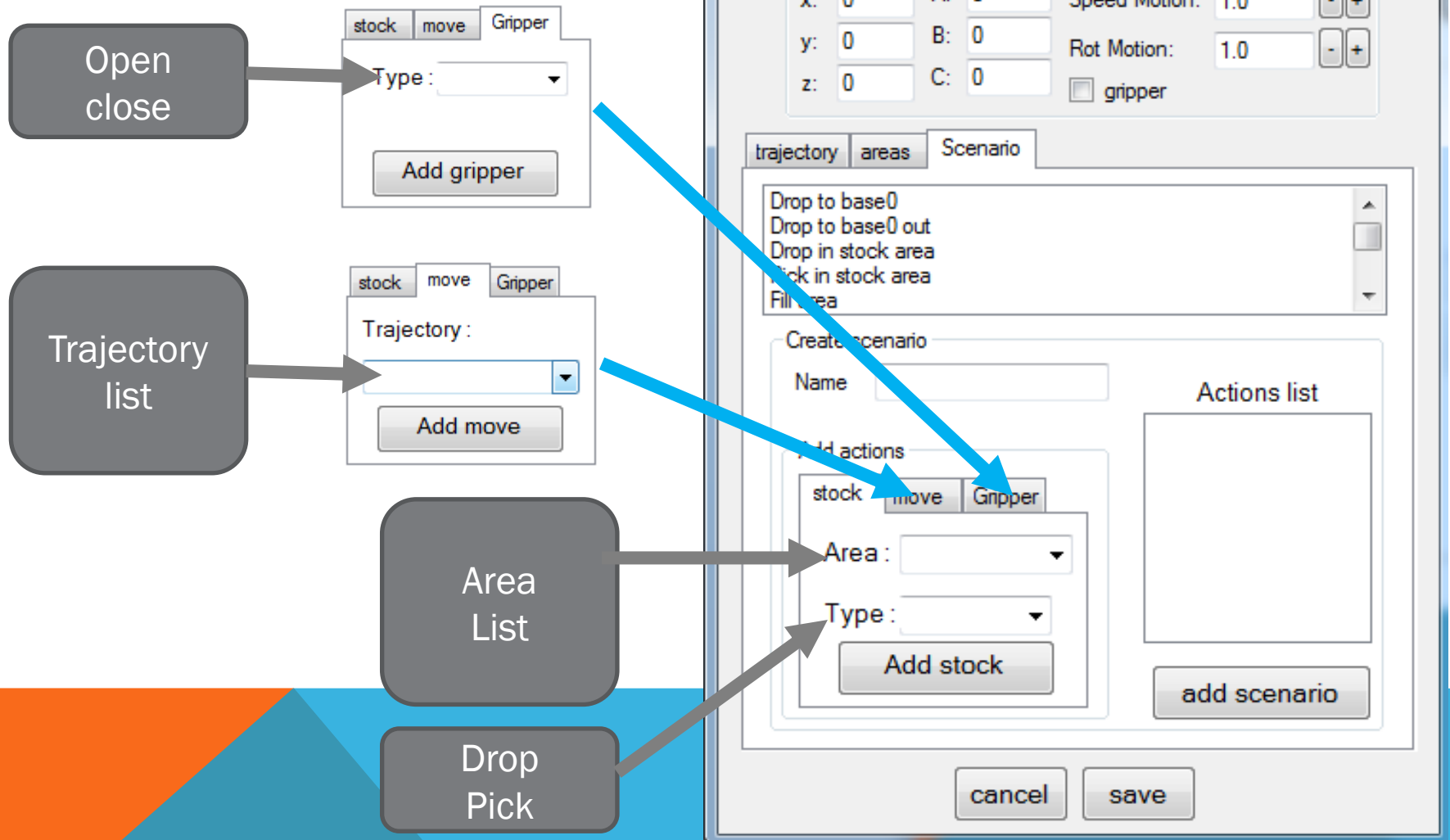
☒ MonoPoint

P0	0	0	0	0	0	0	s
P1	0	0	0	0	0	0	s

add area

cancel save

IHM EDIT SCENARIO



QUESTIONS

