WAITER HOME ROBOT

# Business need

We need a waiter robot to serve peoples.

# Functional

Should have 4 wheels with independent driving.

## Arms

* Arms should have shoulder, elbow, roll of the gripper and Gripper.
* Arms should be independent or linked together.
* Arms should be capable to hold a tray.
* Arms should be capable to move up holding the tray in horizontal position.
* Arms should be power off if there is no need for them to conserve energy.

## Navigation

* Multiple paths should be stored.
* Should stop if something is in font, rear.
* Should be able to read RFID ultralight stickers on the ground.
* Should have possibility to run over 3 cm obstacles.