

Programming test for JAVA applicants

Attached with this document is the code you need to change. Consider you get the following assignment.

NEW PACKAGING

The packaging is changing and we need to support 3 types called A143, A243 and A343. We need to support that the robots can have one of 2 grippers attached (a 2-fingered and a 3-fingered). The 3-fingered will be used to pick up packages of type A343 where the 2 fingered are handling the other packages.

Also, we need to add a UR10 robot that can lift up to 10 kg (and of course some “heavy items”)

Please make the additions and ensure that the printout states the package type and gripper type when delivering a package.

Rules/restrictions

- You have a max of 1 hour to finish the test
- You are allowed to change the current implementation
- All though not all members are used in the Items class you are not allowed to remove them (they need to be represented in one form or another)
- Before the hour is gone write notes as to what you did not finish and/or would like to do if you had more time (attach e.g. a .txt, .pdf or write comments in the top of the files).

HINT FROM COLLEAGUE: YOU DO NOT NEED TO CHANGE/OPTIMIZE THE CONVEYOR TO SOLVE THIS TASK. BUT YOU ARE WELCOME TO DO SO IF YOU FIND IT NEEDED (OR DESCRIBE IT IN THE NOTES WHAT YOU WOULD HAVE DONE)