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## ← Project review - ROS. Day04

 Type of project	Individual
 Duration	30 min
 Passed Peer Reviews	0/2

### Git project

Student

About

Main part

Feedback

## Git project



ssh://git@repos-ssh.21-school.ru:2289/students/ROS.\_Da...

Copy link

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## Student



aarchiba-python-ds

level 0

## About



### Introduction

The methodology of School 21 makes sense only if peer-to-peer reviews are done seriously. Please read all guidelines carefully before starting the review.

- Please, stay courteous, polite, respectful and constructive in all communications during this review.
- Highlight possible malfunctions of the work done by the person and take the time to discuss and debate it.
- Keep in mind that sometimes there can be differences in interpretation of the tasks and the scope of features. Please, stay open-minded to the vision of the other.
- If you have not finished the project yet, it is compulsory to read the entire instruction before starting the review.

### Guidelines

- Evaluate only the files that are in src folder on the GIT repository of the student or group.
- Ensure to start reviewing a group project only when the team is present in full.
- Use special flags in the checklist to report, for example, an “empty work” if repository does not contain the work of the student (or group) in the src folder of the develop branch, or “cheat” in case of cheating or if the student (or group) are unable to explain their work at any time during review as well as if one of the points below is not met. However, except for cheating cases, you are encouraged to continue reviewing the project to identify the problems that caused the situation in order to avoid them at the next review.

- Doublecheck that the GIT repository is the one corresponding to the student or the group.
- Meticulously check that nothing malicious has been used to mislead you.
- In controversial cases, remember that the checklist determines only the general order of the check. The final decision on project evaluation remains with the reviewer.



## Main part

### Exercise 00 - Using Lidar in Gazebo.

- Does the package contain robot\_lidar.launch files?
- After launching robot\_lidar.launch, does RVIZ and Gazebo start with the robot model? Are there obstacles around the robot?
- In Rviz, render the scan topic and check that it shows obstacles?

☐ No☒ Yes

### Exercise 01 - Using depth camera in Gazebo.

- Does the package contain robot\_depth\_camera.launch files?
- After launching robot\_depth\_camera.launch, does RVIZ and Gazebo start with the robot model? Are there obstacles around the robot?
- In Rviz, render a topic with type PointCloud2 and check that it shows obstacles?

☐ No☒ Yes

### Exercise 02 - Using imu in Gazebo.

- Does the package contain robot\_imu.launch files?
- After launching robot\_imu.launch, does RVIZ and Gazebo start with the robot model?
- Does the imu topic get data?

☐ No☒ Yes

### Exercise 03 - Stopping in front of an obstacle using data from a laser lidar

- Does the package contain a robot\_stop\_obstacle.launch file?
- After launching robot\_stop\_obstacle.launch, does RVIZ and Gazebo start with the robot model and the obstacle?
- Does robot start moving after robot\_stop\_obstacle.launch?
- After running robot\_stop\_obstacle.launch, does the robot stop in front of an obstacle?
- Move the Gazebo obstacle several times and check that the robot also resumes movement and stops in front of the obstacle.

☐ No☒ Yes

#### Exercise 04 - Stopping in front of an obstacle using data from the depth camera

- Does the package contain a robot\_stop\_obstacle.launch file?
- After launching robot\_stop\_obstacle.launch, does RVIZ and Gazebo start with the robot model and the obstacle?
- Does robot start moving after robot\_stop\_obstacle.launch?
- After running robot\_stop\_obstacle.launch, does the robot stop in front of an obstacle?
- Move the Gazebo obstacle several times and check that the robot also resumes movement and stops in front of the obstacle. ^

☐ No☒ Yes

#### Feedback

Fails 

☐ Cheat☐ Empty work☐ Forbidden functions☐ Invalid compilation☐ Crash

#### Comment

Leave a comment...

✓ Review