UDACITY

Return to Classroom

DISCUSS ON STUDENT HUB

Build My World

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Dear student,
Congratulations on passing this project of the course. Continue on in the course with the same enthusiasm. All the best to gaining more knowledge throughout the course.

Happy learning. Have a great day.

Cheers.

Please don't forget to rate the review which will be helpful to me. Also leave a comment to let me know if I did something good or if you feel there is something that I need to improve in my review strategy to help serve students better as a reviewer.

Basic Requirements

The student submitted all required files specified in the criteria.

✅ The student submitted all required files specified in the criteria.

Feedback: Well done. You have submitted all the required files.

Building

The student designeda structure and stored it in the model directory.

Structure basic requirements:

- **Structure is different than the one shown in the sample simulation world.**
- **Single floor.**
- **Enough space for robots to navigate.**
- **At least one feature.**
- **At least one color.**

Structure basic requirements:
✅ Structure is different than the one shown in the sample simulation world.
✅ Single floor.
✅ Enough space for robots to navigate.
✅ At least one feature.
✅ At least one color.

Feedback: Well done. Your structure meets all the requirements to pass this rubric. I respect the great amount of time and effort you have put into creating this fantastic world.

Pro Trip 💫 **:**
I respect your effort in creating this world. But for future projects the robot will not be able to navigate this narrow corridors and lets say in the mapping project that you will undertake, you will not be able to map this entire world. So I recommend you to create a simple world with enough space for the robot to move easily.

Modeling

The student designed an object and stored it in the model directory.

Model basic requirements:

- **Object is different than the one shown in the sample simulation world.**
- **Object links are connected through joints.**

Model basic requirements:
✅ Object is different than the one shown in the sample simulation world.
✅ Object links are connected through joints.

Feedback: Great work. I appreciate your effort in creating your first robot model in the course. The model looks

Feedback: Great work. I appreciate your effort in creating your first robot model in the course. The model looks great.

Pro Tips 💫 **:**

- You can add color to the robot model to make it look colorful.
- If you have some time, you can follow this tutorial to improve your knowledge on designing in solidworks and importing it into gazebo. Its quite a long tutorial but it is worth the time. This will give you great flexibility with your robot design with the power of solidworks to create more realistic robot models. This will greatly help you in your GoChaseIt Project where will be creating a functional mobile robot model.

Gazebo World

The student created a Gazebo world and stored it in the world directory.

Gazebo World basic requirements:

- **World is different than the one shown in the sample simulation world.**
- **Contains the structure model.**
- **Contains two instances of the object model.**
- **Contains one model from the Gazebo online library.**

Gazebo World basic requirements:
✅ World is different than the one shown in the sample simulation world.
✅ Contains the structure model.
✅ Contains two instances of the object model.
✅ Contains one model from the Gazebo online library.

Feedback: Good job. Your world meets all the requirements to pass this rubric.

World Plugin

The student created a C++ plugin and stored it in the script directory. Also, the student created a CMakeLists.txt file and stored in the main project directory.

World plugin basic requirements:

- **The plugin C++ code should print "Welcome to <your name>'s World!" message.**
- **Do not submit the build directory!**

World plugin basic requirements:
✅ The plugin C++ code should print "Welcome to <your name>'s World!" message

✅ The plugin C++ code should print "Welcome to <your name>'s World!" message.

✅ Do not submit the build directory!

Feedback: Well done CG. Keep using scripts in future projects also.

DOWNLOAD PROJECT

RETURN TO PATH

Rate this review

START