

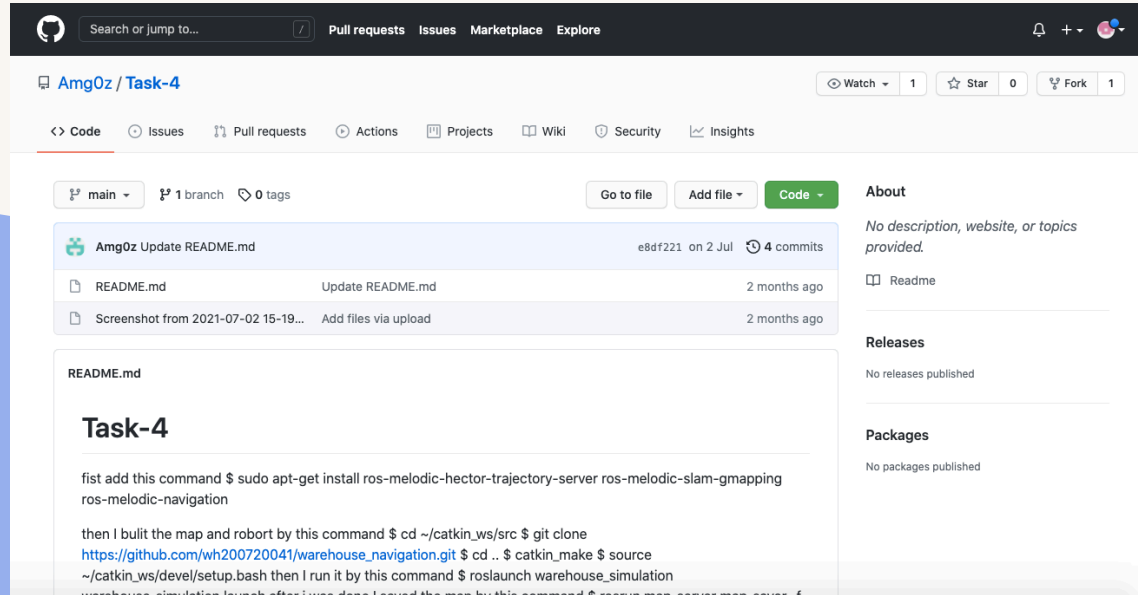


الإسم: بدار عمر باحسن  
المسار: ذكاء إصطناعي

3- Use another ROS robot with SLAM approach to create and save a map

١- تم إستخدام الأكواد الموجودة في  
حساب Amg0z من خلال الرابط التالي

<https://github.com/Amg0z/Task-4>



Amg0z / Task-4

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Amg0z Update README.md e8df221 on 2 Jul 4 commits

|                                     |                      |              |
|-------------------------------------|----------------------|--------------|
| README.md                           | Update README.md     | 2 months ago |
| Screenshot from 2021-07-02 15-19... | Add files via upload | 2 months ago |

README.md

## Task-4

fist add this command \$ sudo apt-get install ros-melodic-hector-trajectory-server ros-melodic-slam-gmapping ros-melodic-navigation

then I built the map and robort by this command \$ cd ~/catkin\_ws/src \$ git clone [https://github.com/wh200720041/warehouse\\_navigation.git](https://github.com/wh200720041/warehouse_navigation.git) \$ cd .. \$ catkin\_make \$ source ~/catkin\_ws/devel/setup.bash then I run it by this command \$ roslaunch warehouse\_simulation warehouse\_simulation.launch after I was done I saved the map by this command \$ rosrun map\_server map\_server.f

About

No description, website, or topics provided.

Readme


Releases

No releases published




Packages


No packages published

## ٢- تم عمل Fork للحساب



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 **bedaromar / warehouse\_simulation\_toolkit**


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 master

 1 branch


 0 tags


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Code

This branch is even with Amg0z:master.

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 **wh200720041** add floam mapping 2eb7e78 on 26 Aug 2020 4 commits

|  |                              |               |
|--|------------------------------|---------------|
|  img    | add floam mapping            | 12 months ago |
|  launch | add navigation               | 13 months ago |
|  meshes | warehouse simulation package | 14 months ago |
|  models | add navigation               | 13 months ago |
|  param  | add navigation               | 13 months ago |
|  rviz   | add navigation               | 13 months ago |
|  src    | add navigation               | 13 months ago |
|  urdf   | warehouse simulation package | 14 months ago |

### About

A simulation toolkit for ground robot AGV in warehouse environment, including tutorials for robot navigation and localization

 [Readme](#)

 [BSD-3-Clause License](#)

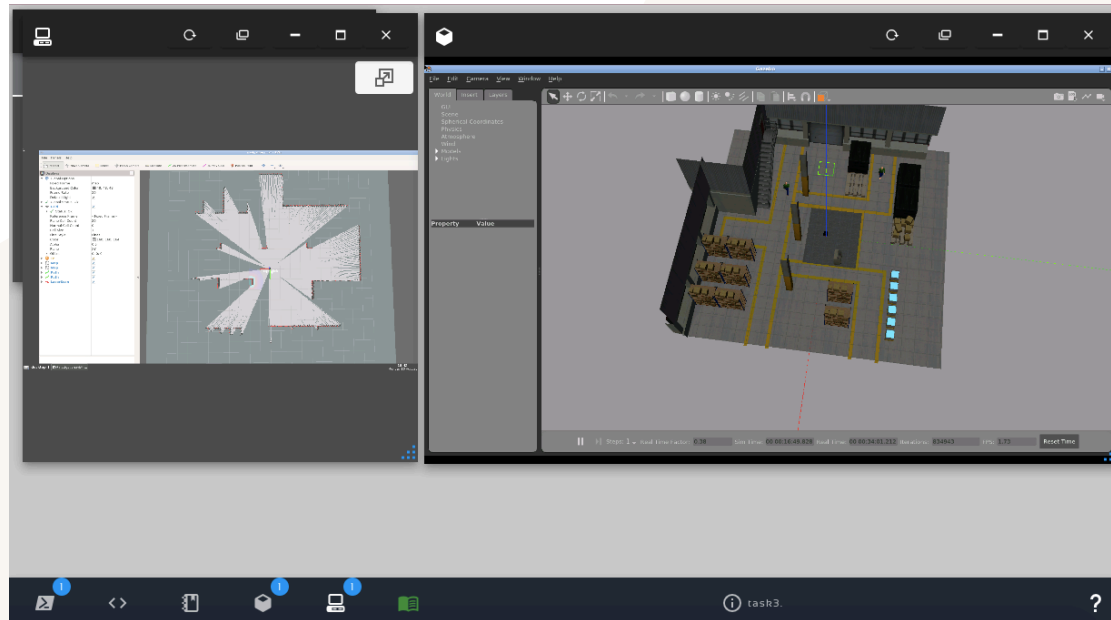
### Releases

No releases published  
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### Packages

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### ٣- تم التثبيت بنجاح



## ع- تم رسم الخريطة بنجاح

```
user:~$ rosrn map_server map_s  
aver -f ~/map  
[ INFO] [1629140866.052146416]:  
Waiting for the map  
[ INFO] [1629140867.315831355,  
1506.980000000]: Received a 480  
X 480 map @ 0.050 m/pix  
[ INFO] [1629140867.316045105,  
1506.980000000]: Writing map oc  
cupancy data to /home/user/map.  
pgm  
[ INFO] [1629140867.325398145,
```

```
1 image: /home/user/map.pgm  
2 resolution: 0.050000  
3 origin: [-12.000000, -12.000000, 0.000000]  
4 negate: 0  
5 occupied_thresh: 0.65  
6 free_thresh: 0.196  
7  
8
```

The background is abstract, featuring a large orange shape on the right side, a red shape in the top right corner, and a purple wavy shape in the bottom left corner. The text "Thank you" is centered in a blue, hand-drawn font.

Thank you