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\* created by: RAID @ev\_RAID - Oman, Muscat

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\* more info: www.ev-raid.com

\* contact us: +968 96593988

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\* ############ Description ###############

This project is for Raspberry pi Robot

Components:

* Raspberry pi with OS installed in SD card
* Robot chassis with 4 motors and wheels
* Motor Driver (for example L298N)
* Ultrasonic sensor
* Servo motors (2)
* Camera (pi camera module or USB camera)
* Wire jumpers
* Battery

Project Directory Content:

* bot.py : python code for robot movement and avoid obstacles
* Open the file using any Python Software (e.g. Thonny)
* Run the code

OR

* Open Terminal and Enter:

python bot.py

* Bluetin\_Python\_Echo-master : ultrasonic python library
* Open Terminal in this directory and Enter this command:

sudo python setup.py install

Or open Terminal and Enter:

pip install Bluetin\_Echo

Or go to Github: <https://github.com/MarkAHeywood/Bluetin_Python_Echo>

* For video streaming you can install motion software:
* Follow this tutorial: <https://pimylifeup.com/raspberry-pi-webcam-server/>