# User manual

# Obsah

# Introduction

In the application, you can control the movement of the turtle via the arrow key on your keyboard. The running application is shown in the picture Figure 1.
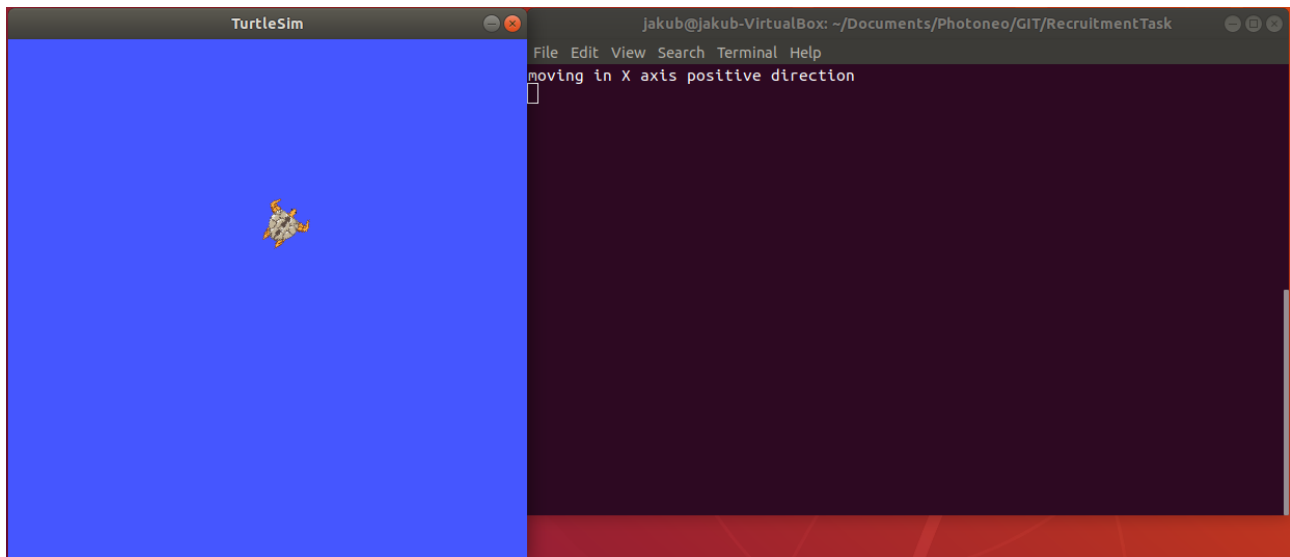


*Figure 1 The running application*

# Prerequisites and installation

To use this application some software packages have to be installed.

- Operating system [Ubuntu 18.04](#)

- [docker](#) – follow the instruction on the web page

- python
    - *sudo apt-get install python*

- python pip
    - *sudo apt-get install python-pip*

- To install all python dependencies run this command:

    - *bash install_python_dependencies.sh*

You have to be in the folder where the application is stored to be able to run these commands.

# Launch the application

After successful installation the following command can be used to run the application (This command will ask your root password):

- *bash launcher.sh*

You have to be in the folder where the application is stored to be able to run these commands.

# Instructions

The application is ready when quick instructions are displayed in the console. Until this, the message 'waiting for the container to launch properly'.

- Use the arrow key to moving with the turtle
- The direction of movement is print to console
- To close the whole application press ESC
- To restart the application use *bash launcher.sh* – this time it should be much quicker
- To remove application tun this command: *docker rmi turtle-app*