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| Trackit-V3 |
| Standard Operation Procedure |
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|  |
| 11/14/2023 |

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# 

# Prerequisite

Before running Trackit for the first time you need to have the following software installed on the computer:

Python version 3.11.4

With PIP install the following packages to python.

* Pygame
* Dearpygui
* pyDAQmx
* numpy
* Pillow
* Desktopmagic
* Pywin32
* Pyserial

With these software installations, you are able to run Trackit\_v3

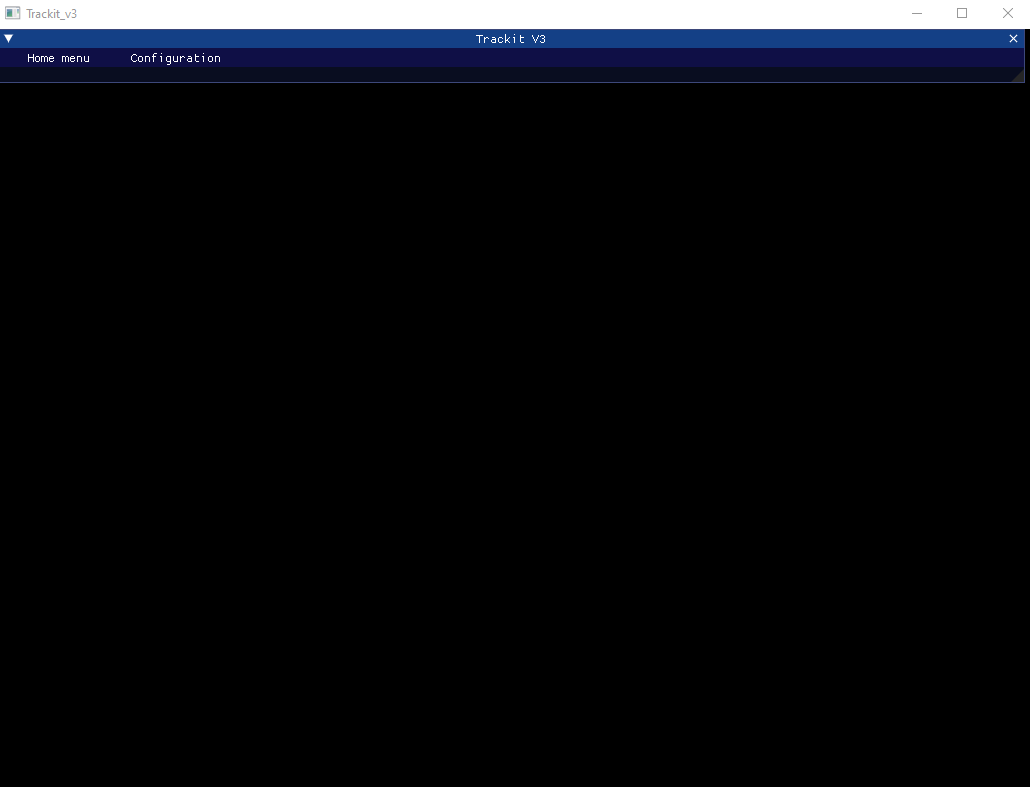
**Optional -**  if you want to connect a sensor to Trackit and control it through it connect a NiDAQ board from national instruments or a microcontroller board configured by UCPH Electronics workshop like a STM32.

**Optional –** If you want to send out triggers connect a NiDAQ board to your system it to distribute trigger signals

# How to install

When the prerequisite items has been for filled you are able to run Trackit\_v3 from the very folder you have placed it.in the Trackit\_v3 folder find “Trackit\_v3\_mainmenu.py” open it with IDLE, or your favorite python IDE or run it through the terminal.

As a result, The following output will appear.



# How to Run Trackit

## Write your own sequence mode

## Random event Generation mode

## Configuring Trackit

## Trackit Datafiles

# How to Run SVIPT

## Write your own sequence mode

## Random event Generation mode

## Configuring SVIPT

## SVIPT Datafiles