

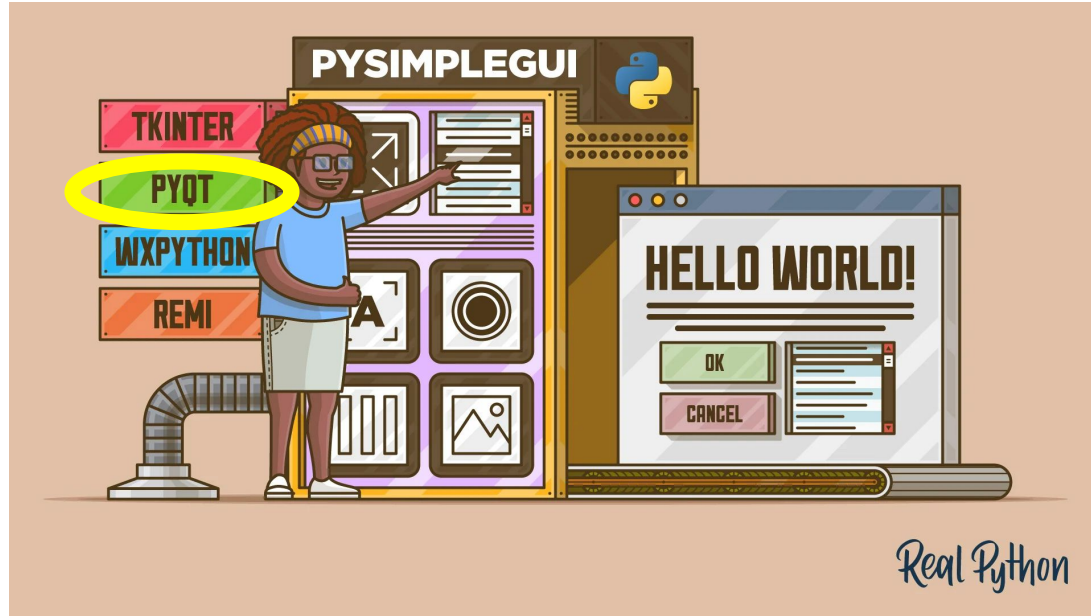
Data Science

Survival Skills

Homework 6

Homework 6

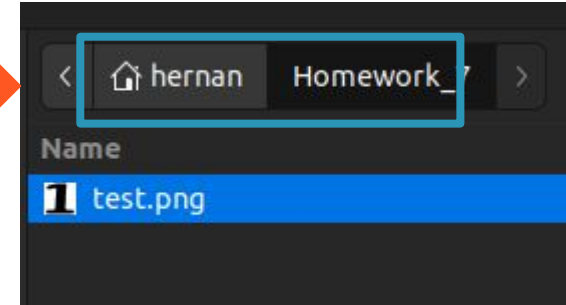
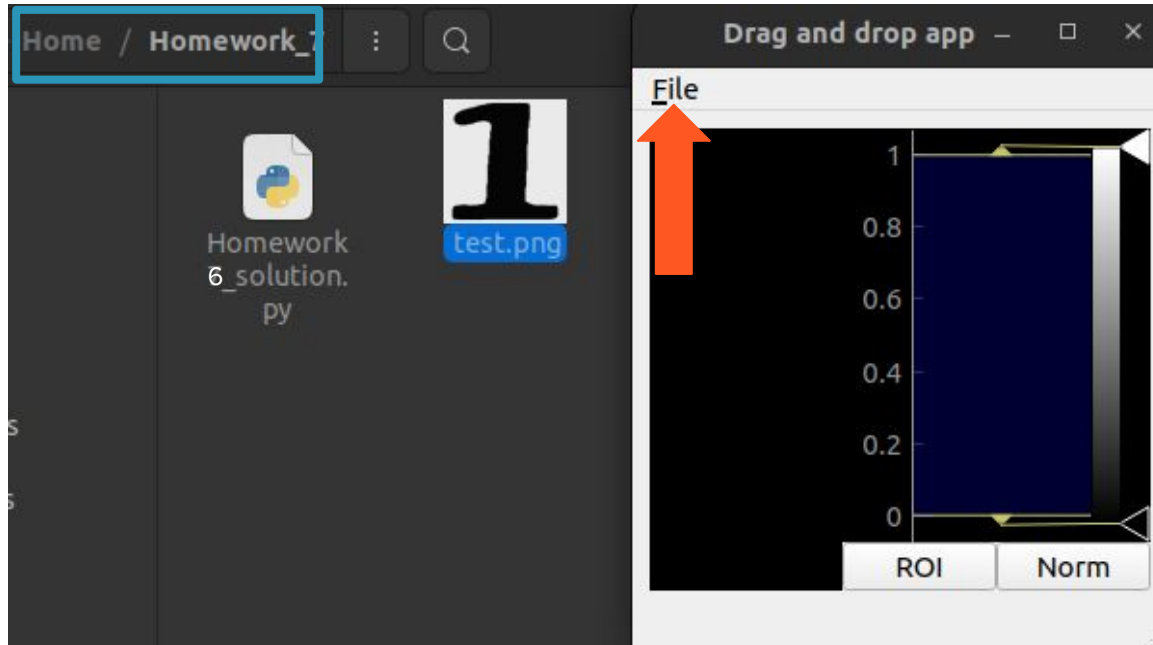
You are going to use PyQt5 to create a GUI from scratch.



Your task is to use PyQtGraph and integrate **all** the following functionalities:

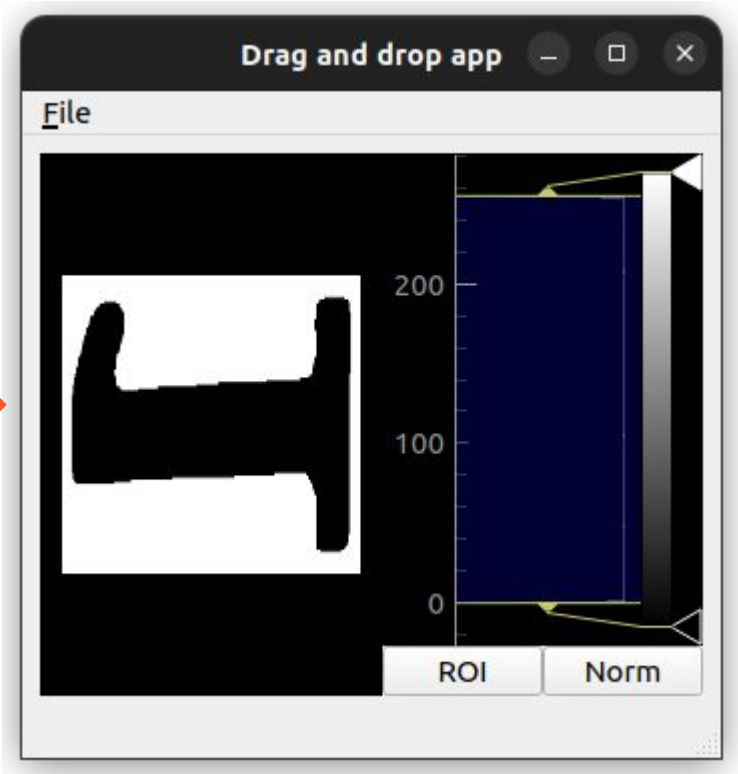
Task 1

- Create a QFileDialog to load a file. If a file is an IMAGE FILE (e.g. ends with png, jpg, ...), show it!



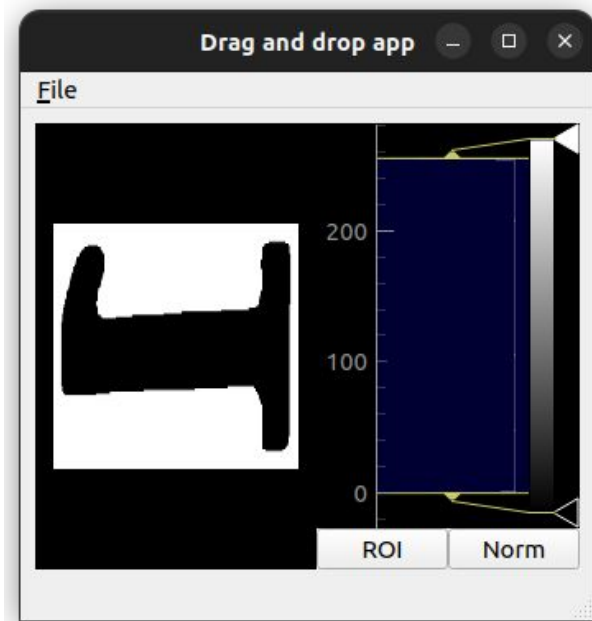
Task 2

- Implement a Drag and drop from your file explorer.

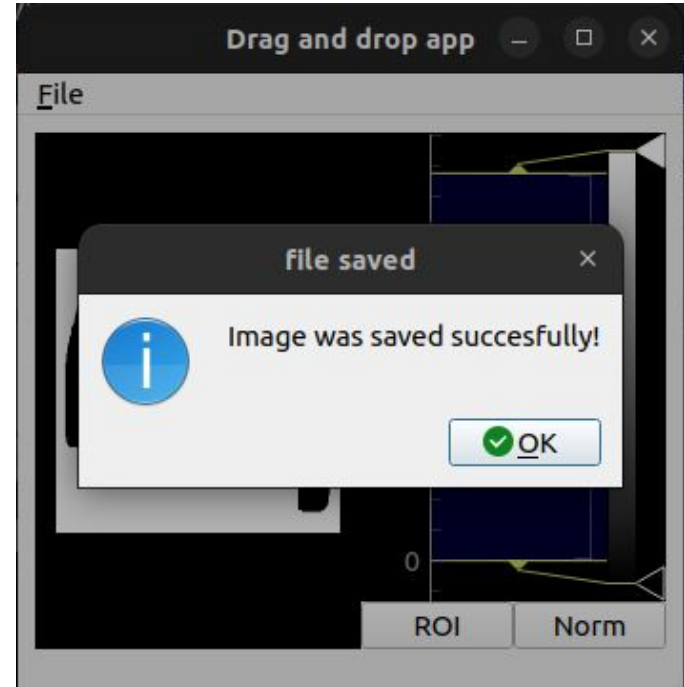


Tasks 3,4,5

- Implement the saving routine of this file using e.g. Imageio.
- If saved, show a success message, otherwise an error message.
- Enable Ctrl+S as a shortcut for the saving routine.



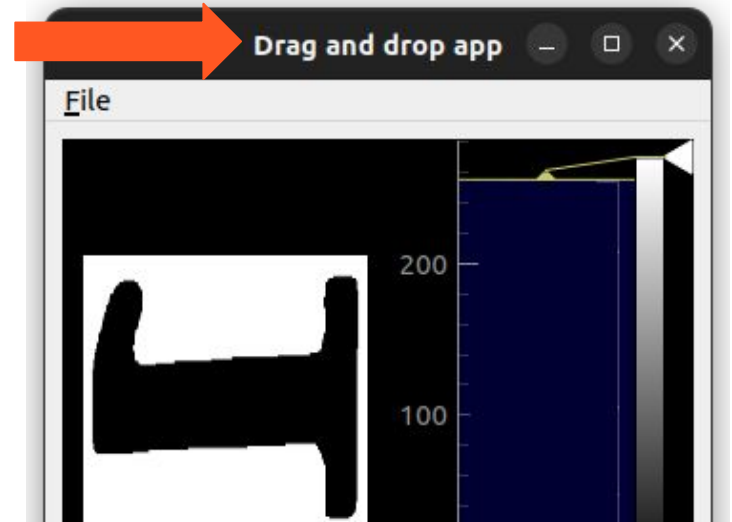
➔
Ctrl+s



Description of the exercise

Upload to StudOn **your code (python file)** and a single slide as a **PDF** file showing **only** your GUI and its functionalities. We will check for plagiarism in your code.

Note: The QMainWindow must show your name.



Homework: Requirements

You must complete **this** homework assignments following these guidelines:

- **One** slide/page (**PDF** file format only) **and** a python file. Please **do not** zip it.
- It has to contain your **name** and **student (matriculation) number** in the down-left corner.
- Font: **Arial**, Font-size: > **10 Pt**.
- Answer **all** the questions and solve all the tasks requested.
- Be careful with **plagiarism**. Repeated solutions will not be accepted!

And we are done!

Thank you