

# Multimedia Application Project GIMSEP

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O1 O2 O3 O4

Functionnalities

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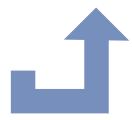
## **Functionnalities**



Media Selection



Image transformations



Backward and forward steps



Image saving

### Media Selection & Save



Using native file browser to get media (Image/video)

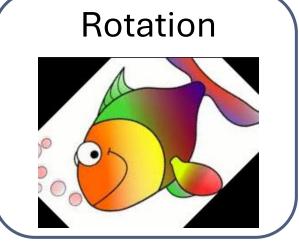


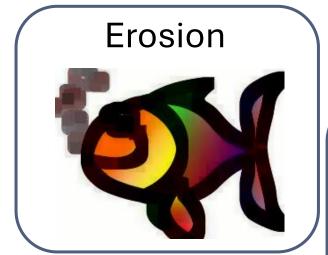


Using user camera to take a picture



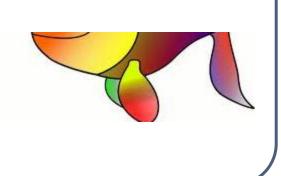


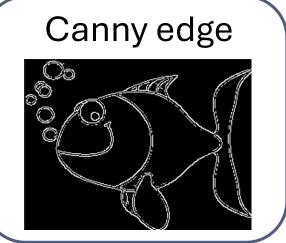


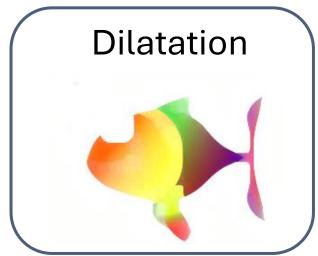




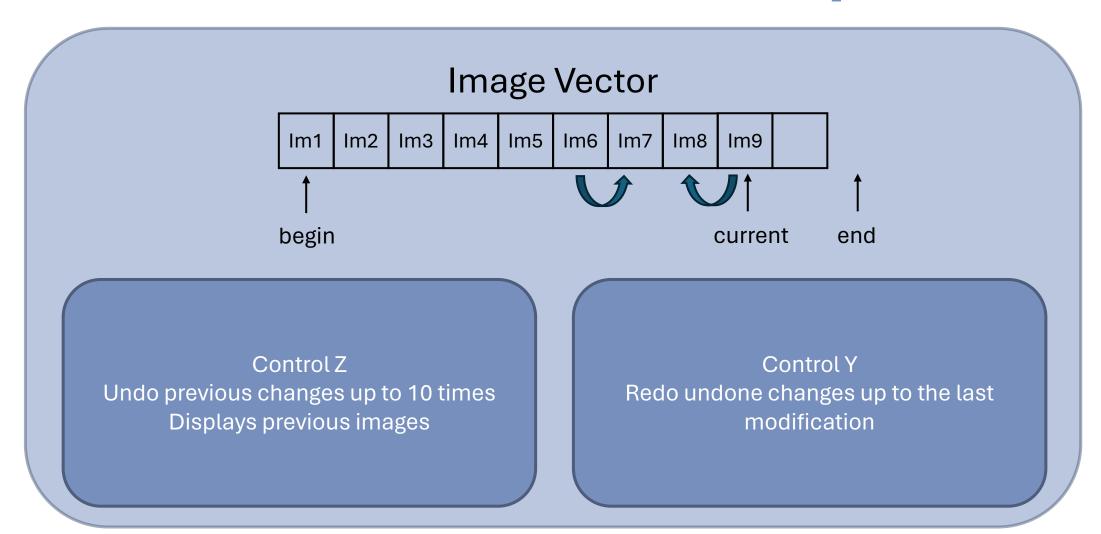
Cropping



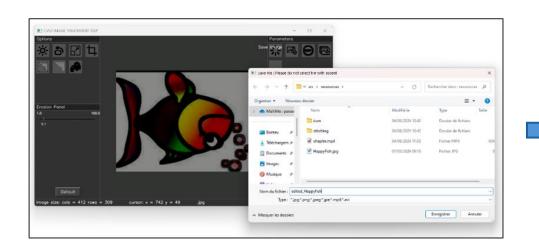


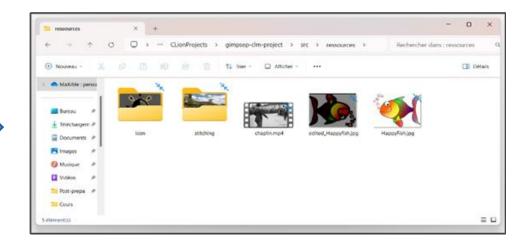


## **Backward and forward steps**



# **Image Saving**





Simple And efficient!

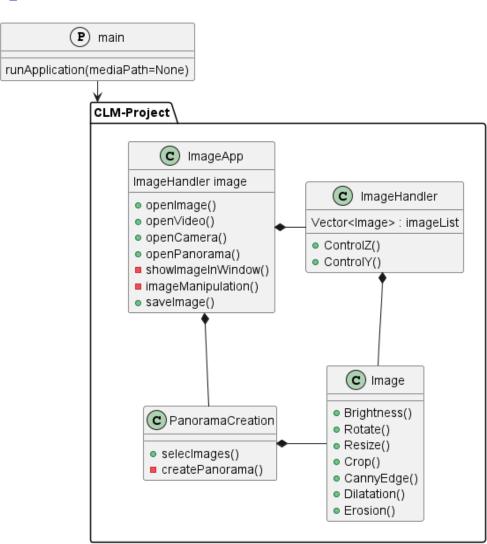
- 1. Open file dialog system
- 2. Let user select, the folder and the name for edited image
- 3. Get the path and use cv::imwrite() to save the creation

## Technical aspect



cvui 2.7.0

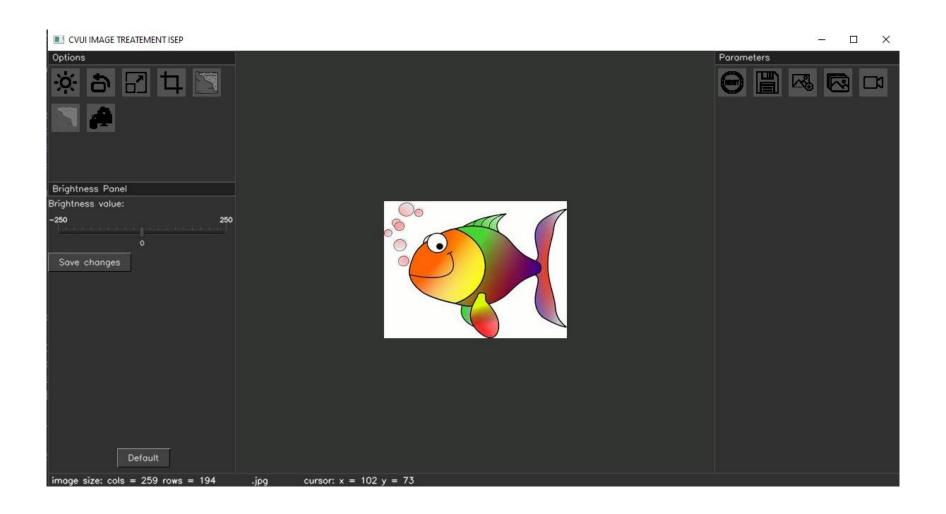




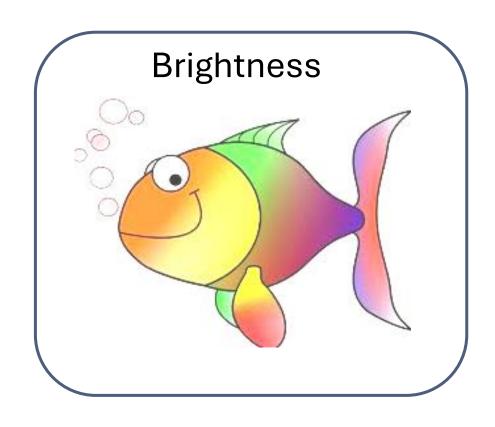
# **Project management**

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
Charles	Git creation, computer set up, etc.	Dilatation, Erosion	Panorama	User interface base ImageApp	User interface merged with use of all functions (class: Image(), ImagePanorama(), ImageHandler()	User interface and merging of last functions (Open, save, image) + report
Maxime		Lighten, darken		Search on filedialog library and implementation (window + linux)	Select media, save image	Select media, save image + report
Lucie		_	Canny edge detection	Tunctionalities in a class	Image vector, undo and redo	Report

#### Time for the demo!



## Thank you for your attention





Use cv::convertTo() function to scale pixels brightness with a given *brightnessFactor* 



brightnessFactor is a value between –250 and 250 where -250 is fully dark, 0 is the starting image and 250 is fully bright



*brightnessFactor* is defined by the user through a slider on GUI

