

PROCEDURAL COLLAGE MAKER

ABSTRACT

An application that procedurally generates image collages from various sources, based on predefined subjects and concepts or pure randomness.

MOTIVATION

- Create new meaning generatively by remixing existing media
- Make use of mass availability of images on the internet

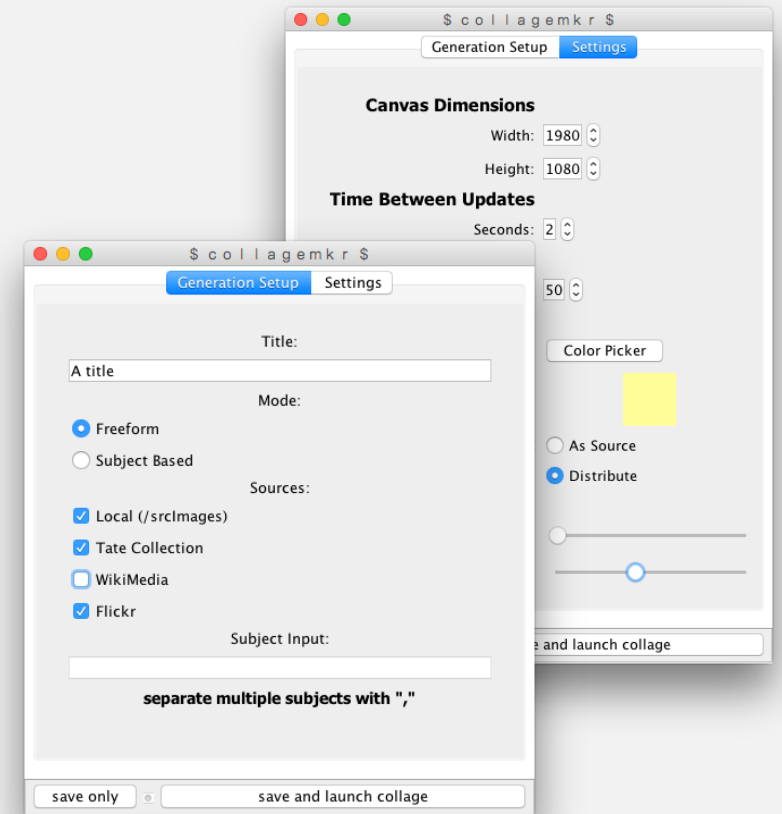
INSPIRATION

- Postmodernist / Dadaist collages
- Kurt Schwitters, Robert Rauschenberg



CONCEPT

- Setup
 - Define parameters in separate launcher application and save them to a file
 - Processing application loads the file and creates the collage based on the parameters
 - Every launch of the application (without launcher) will result in a different work with the same subject



CONCEPT

- Runtime
 - Take images from selected sources based on defined parameters
 - Cut out one area from each image and recombine the fragments into a collage
 - Application may run forever as an autonomous installation
 - Snapshots of any generation of the collage can be saved from within the program

METHODS

- Frameworks & Languages
 - Processing 3 (Application)
 - Java Swing (Launcher)
- Libraries
 - BoofCV for processing
- APIs
 - Tate API (.csv)
 - Flickr web API
 - WikiMedia web API

PROCESS: IMAGE SOURCES

	A	B	C	D
1	id	accession_nu	artist	artistRc
2	1035	A00001	Blake, Rober	artist
3	1036	A00002	Blake, Rober	artist
4	1037	A00003	Blake, Rober	artist
5	1038	A00004	Blake, Rober	artist
6	1039	A00005	Blake, Williar	artist
7	1040	A00006	Blake, Williar	artist
8	1041	A00007	Blake, Williar	artist
9	1042	A00008	Blake, Williar	artist
10	1043	A00009	Blake, Williar	artist
11	1044	A00010	Blake, Williar	artist
12	1045	A00011	Blake, Williar	artist

Getting the most out of the Flickr API

We encourage all sorts of integrations, such as features and products that:

- Help people make their photos available to people who matter to them
- Enable new ways of organizing photos and videos
- **Are fun!**

API sandbox

Use this page to experiment with the **MediaWiki web services API**. Select an action to see more examples. Note that, a

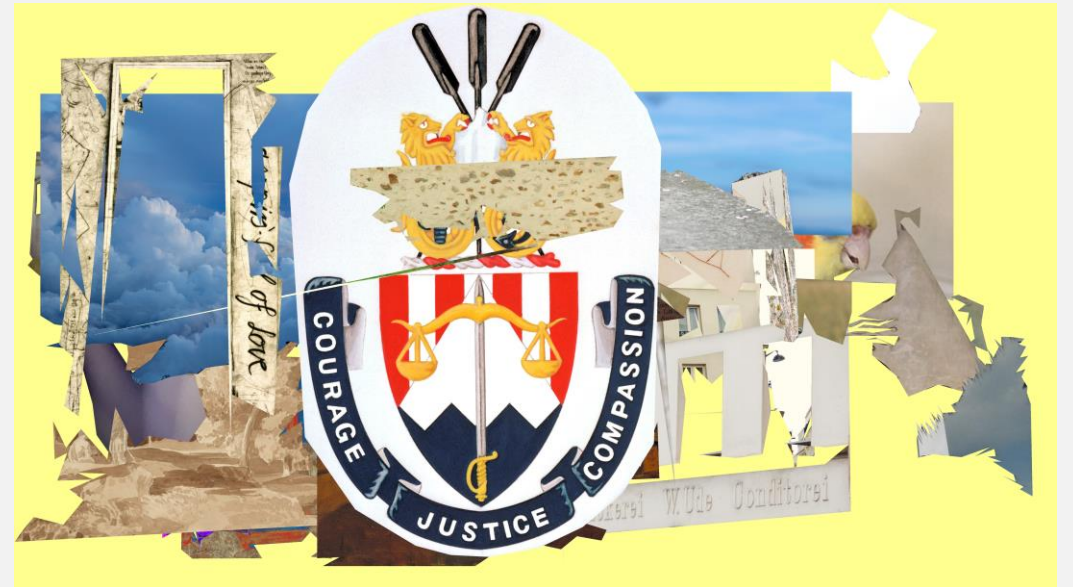
main	action=query
action=query	Fetch data from the database
generator=random	All data modification actions
format=json	? Help link

PROCESS: CUTOUT MECHANIC



REFLECTION

- Strengths
 - Can be an artwork on its own, or a tool to generate art
 - infinite possible variations on a subject, always different



REFLECTION

- **Weakness:**
 - Quality of output always depends on used sources
- **Possible Improvements:**
 - More interesting methods to select and cut out images
 - Animations to show progression of collage
 - More sources / APIs