

Photo-mosaic-ator documentation

About

Creator: Lukáš Caha

Supervisor: Mgr. Pavel Ježek, Ph.D.

Course: Programming in C# NPRG035

Language: C#

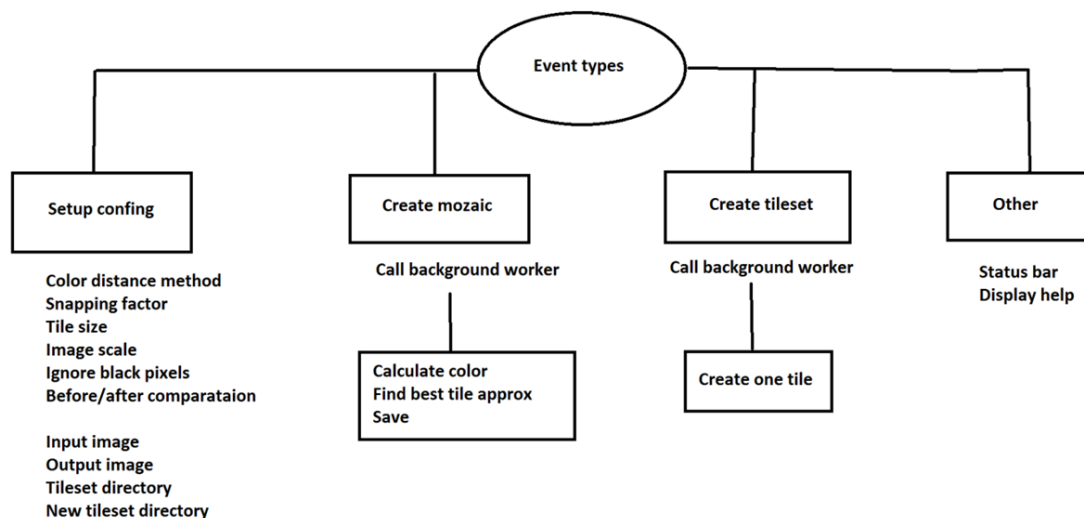
Framework: Windows Forms Application

Abstract

Goal of this project was to create user friendly windows application for creating mosaics from photos.

Events

Because the program is written in WinForms framework it's mainly event driven. This is a map of events sorted to few categories.

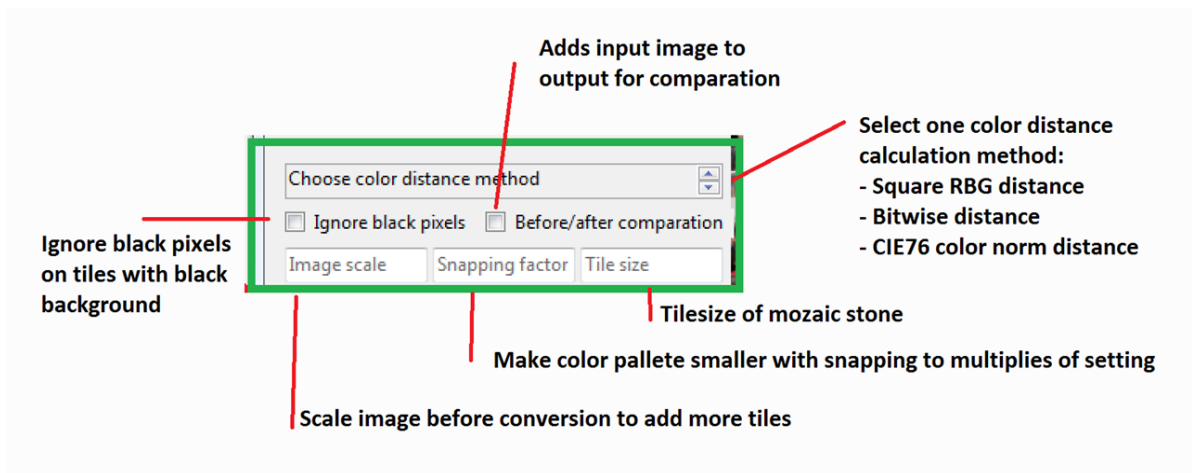
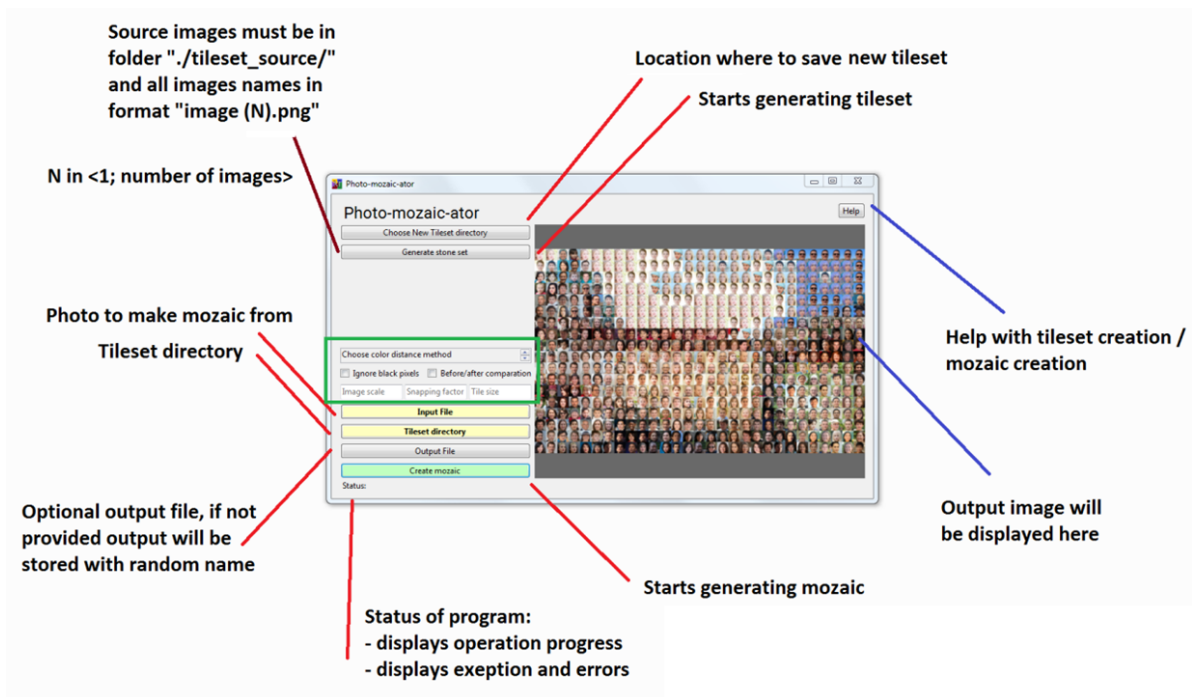


Color distance strategies

There are currently 3 available color distance metrics:

- Square RGB metric
- Bitwise distance
- CIE76 color metric

How to work with program



Sources of tiles and project

- Source code <https://github.com/LukasCaha/Photo-mosaic-ator>
- Pokemon dataset https://lukascaha.com/pokemon/pokemon_images.zip • Needs to be tiled
 - Tiled <http://lukascaha.com/mozaicator/pokemon.zip>
- People dataset <https://thispersondoesnotexist.com/>
 - Needs to be scraped and then tiled
 - Tiled <http://lukascaha.com/mozaicator/people.zip>
- Minecraft blocks tileset <http://lukascaha.com/mozaicator/minecraft.zip>
 - Ready to go
- Rubiks cube tiles <http://lukascaha.com/mozaicator/rubiks.zip>