GMAF Build Structure

The GMAF project is split into several modules, each of which is represented by a separate Maven project and build artifact. The following list contains a short description of each module and the corresponding link to the Github repository:

GMAF Core / de.swa.gmaf:1.0.2

https://github.com/stefanwagenpfeil/gmaf

In this module, the core functionality including MMFGs, Graph Codes, and the basic GMAF processing is included.

GMAF API / de.swa.gmaf-api:1.0.0

https://github.com/stefanwagenpfeil/gmaf-api

This module contains the SOAP, REST, Json, XML API of the framework

GMAF Core Plugins / de.swa.gmaf-core-plugins:1.0.0

https://github.com/stefanwagenpfeil/gmaf-core-plugins

Basic plugins for feature detection in images, text, audio, and video

GMAF Extended Plugins / de.swa.gmaf-ext-plugins:1.0.0

https://github.com/stefanwagenpfeil/gmaf-ext-plugins

More sophisticated plugins for special feature detection

GMAF Capture / de.swa.gmaf-capture:1.0.0

https://github.com/stefanwagenpfeil/gmaf-capture

A screen capturing application to automatically record images from a user's desktop

GMAF-Scale / de.swa.gmaf-scale:1.0.0

https://github.com/stefanwagenpfeil/gmaf-scale

Scaling algorithms for Graph Codes based on NVIDIA Duda, Apple Metal, and other parallelization techniques.

GMAF Semantics / de.swa.gmaf-semantics:1.0.0

https://github.com/stefanwagenpfeil/gmaf-semantics

Semantic extensions to MMFG, Graph Code and the framework. Also including Explainability Extensions

GMAF Service / de.swa.gmaf-service:1.0.0

https://github.com/stefanwagenpfeil/gmaf-service

The GMAF Service providing SOAP, REST, Json, and XML communication.

GMAF UI / de.swa.gmaf-ui:1.0.0

https://github.com/stefanwagenpfeil/gmaf-ui

The Java Swing Client showing all GMAF, Semantic, Graph Code, and Collection Features

GMAF Web / de.swa.gmaf-web:1.0.0

https://github.com/stefanwagenpfeil/gmaf-web

The GMAF Web application as a user interface

GMAF Flow / de.swa.gmaf-flow:1.0.0

https://github.com/stefanwagenpfeil/gmaf-flow

Processing Flows extension to the GMAF including a graphical editor to maintain them

GMAF Experiments / de.swa.gmaf-exp:1.0.0

https://github.com/stefanwagenpfeil/gmaf-exp

Various experiments for different purposes and / or conferences

GMAF Research & Development / de.swa.gmaf-rnd:1.0.0

https://github.com/stefanwagenpfeil/gmaf-rnd

A Template for researchers to start working with the GMAF

Artifacts can be downloaded here.