

Requirement Specification for Module media

August 16, 2025

Contents

1	SEC-0001: Metadata	2
1.1	REQ-0001: Method to get Metadata	2
2	SEC-0002: Image	2
2.1	REQ-0002: Load from File	2
2.2	REQ-0003: Save	2
2.3	REQ-0004: Image data	2
2.4	REQ-0005: Resize	2
2.5	REQ-0006: Rotate	2
2.6	REQ-0007: Join	2

1 SEC-0001: Metadata

1.1 REQ-0001: Method to get Metadata

A Method shall return the metadata for a given media filename.

2 SEC-0002: Image

2.1 REQ-0002: Load from File

The class `image` shall have a method `load_from_file`, which creates a copy of an image to the instance. Load from file can handle a filename, but also pil images and media images. The method returns `True` on success and `False` on failures.

2.2 REQ-0003: Save

The class `image` shall have a method `save`, which stores the modified image to a given filename. The method returns `True` on success and `False` on failures.

2.3 REQ-0004: Image data

The class `image` shall have a method `image_data`, which returns the raw data of the modified image.

2.4 REQ-0005: Resize

The class `image` shall have a method `resize`, which resizes the image. The method returns `True` on success and `False` on failures.

2.5 REQ-0006: Rotate

The class `image` shall have a method `rotate_by_orientation`, which rotates the image by an exif orientation. If no parameter is given, the orientation will be taken out of the loaded image. The method returns `True` on success and `False` on failures.

2.6 REQ-0007: Join

The class `image` shall have a method `join`, which joins an image to the loaded image. The method returns `True` on success and `False` on failures.