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Description of Class Case Study:

**DARKTABLE**

Darktable is a free open source software which is a photography application and a raw-developer. It compromises a subset of image editing operations specifically aimed at non-destructive raw image post-production. It is primarily focused on improving a photographer’s workflow by facilitating the handling of large numbers of images. It is freely available in versions tailored for most major Linux distribution, macOS, windows and Solaris and is released.

Darktable involves the concept of non-destructive editing of the image, similar to that of some other raw manipulation software. Rather than being immediately applied to raster data of the image, the program keeps the original image data until final rendering at the exporting stage- while parameter adjustments made by a user display in real-time. The program features built in ICC Profiles, GPU acceleration and supports most common image formats.

**MAIN FEATURES:**

* Full implementation of color management.
* Completely modular architecture.
* More than 30 modules of transformation , color correction, quality improvement and artistic effects.
* Support geographical coordinates labels with display of photos on the map.
* Organize images and search by parameters.
* Supports RAW, JPG, PGBE, PFM and many more.
* Find similar photos.