STUDY AND IMPLEMENTATION OF IMAGE PROCESSING SOFTWARE TO ALLOW SOPHISTICATED, HIGH PERFORMANCE IMAGE PROCESSING FUNCTIONALITY AND ANIMATION

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ABSTRACT

This project studies on various imaging processing techniques and produce image processing software. This is software that can produce high quality and effective artwork and simplifies the tasks required for image processing. Users can edit the photos in JPEG, BMP, GIF and others and apply affects on it. This software includes commands and palettes that can use for editing and adding elements into the image. It contains all basic function and some unique features. This system will be implemented using Java Programming Language, Java advanced imaging API and Java 2D. The name of the system is called Tango ImageShop. This system can perform computer-imaging operation. This system is designed in such a way that consists of a few smaller programs to make up a fully function main program. Each smaller program also can run independently without the main program. The author designs it in this way because each smaller program can perform certain image processing functions. Users can directly use the small program if they only want to perform certain processing on the images.