

## Graduation project proposal

Djvu is a computer file format designed primarily to store scanned documents, especially those containing a combination of text, line drawings, indexed color images, and photographs. It uses technologies such as image layer separation of text and background/images, progressive loading, arithmetic coding, and lossy compression for bitonal (monochrome) images. This allows for high-quality, readable images to be stored in a minimum of space, so that they can be made available on the web. \*

DjVu has been promoted as an alternative to PDF, promising smaller files than PDF for most scanned documents. However, Almost all the current Djvu readers lack the necessary features to make it acceptable alternative to PDF format, even some users used to convert Djvu files into PDF for this reason.

The year 2014/2015 our goal was to design a new DjVu editor (mainly reader) with all the necessary features to utilize the DjVu format. We succeed to achieve this goal to some limit. However the application still need more enhancement. This year we aim to achieve the following:

1. Optimize a cross platform desktop client
2. Build a new Android client
3. Build a new Chrome extension

## Prerequisites

**(Task one) Write a good report to cover the following points:**

1. List the advantages and disadvantages of Djvu format compared to PDF format.
2. Name all the current DjVu android client readers then create a comparison table to specify the available Features in each reader.
3. Name all the current DjVu Chrome extensions then create a comparison table to specify the available Features in each reader.

\* At the end of the report, provide a short biography for every member in your team

**(Task Two) Contact me to get access to the current DjVu++ repository and do the following:**

1. Change the program logo.
2. Build the program with the new logo.

Due date: July, 26. (1 bonus point for early submission)

\* <http://en.wikipedia.org/wiki/DjVu>