

Lena

An image processing application



~ **N.A.R.** Developments

Lena Söderberg

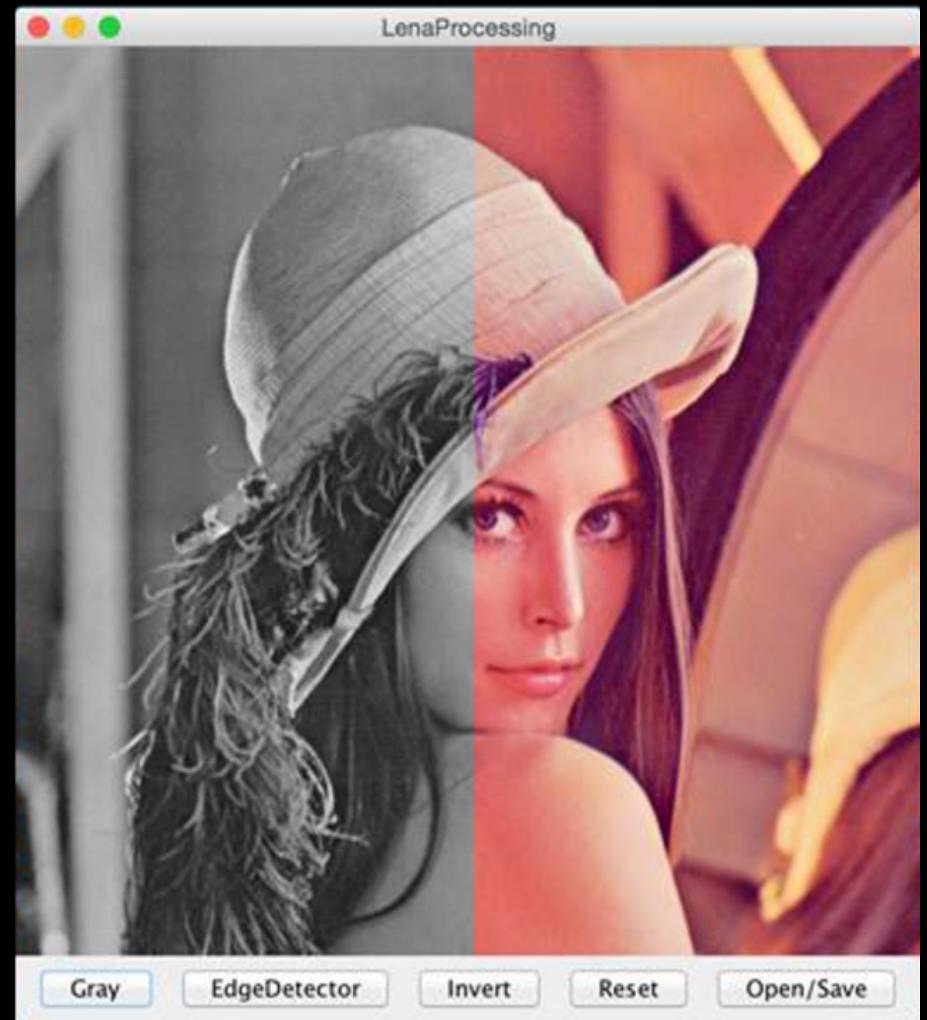


What is Marvin?

- No UI/UX
- No flexibility
- Not for everyone
- Not actually marketable

What is Lena?

- Image Processing Application
- Easy-to-use GUI
- Multi Platform
- Open Source



Portability

- JAR (JRE needed)
- Multi Platformed
- Useable off USB



Gray



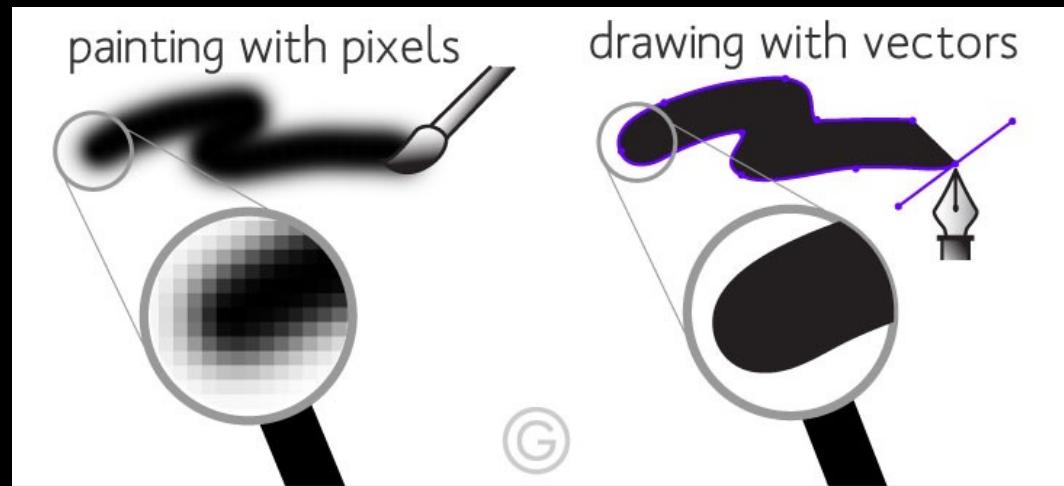
Edge Detection



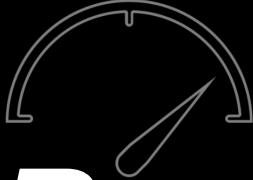
Invert

Added Features

- File Import/Export Interface
- Significant reduction of errors
- Support for most Raster file formats



“Simplicity”



“Performance”

“Quality”

Usability

8 clicks

10/10 Easiness rating

ages 3 - 87



Performance vs Resolution



Performance

Quality

- Resolution : no changes
- Compression :
 - ★ negligible differences resolution
 - ★ can compress down to half the file size

We listen...

>> “Picture doesn’t fit in window.”

<< Frame auto resizing

>> “Want to be able to remove all edits”

<< Reset button, returns image to original state

>> “Can I combine filters”

<< Can layer as many filters as you desire

User feedback

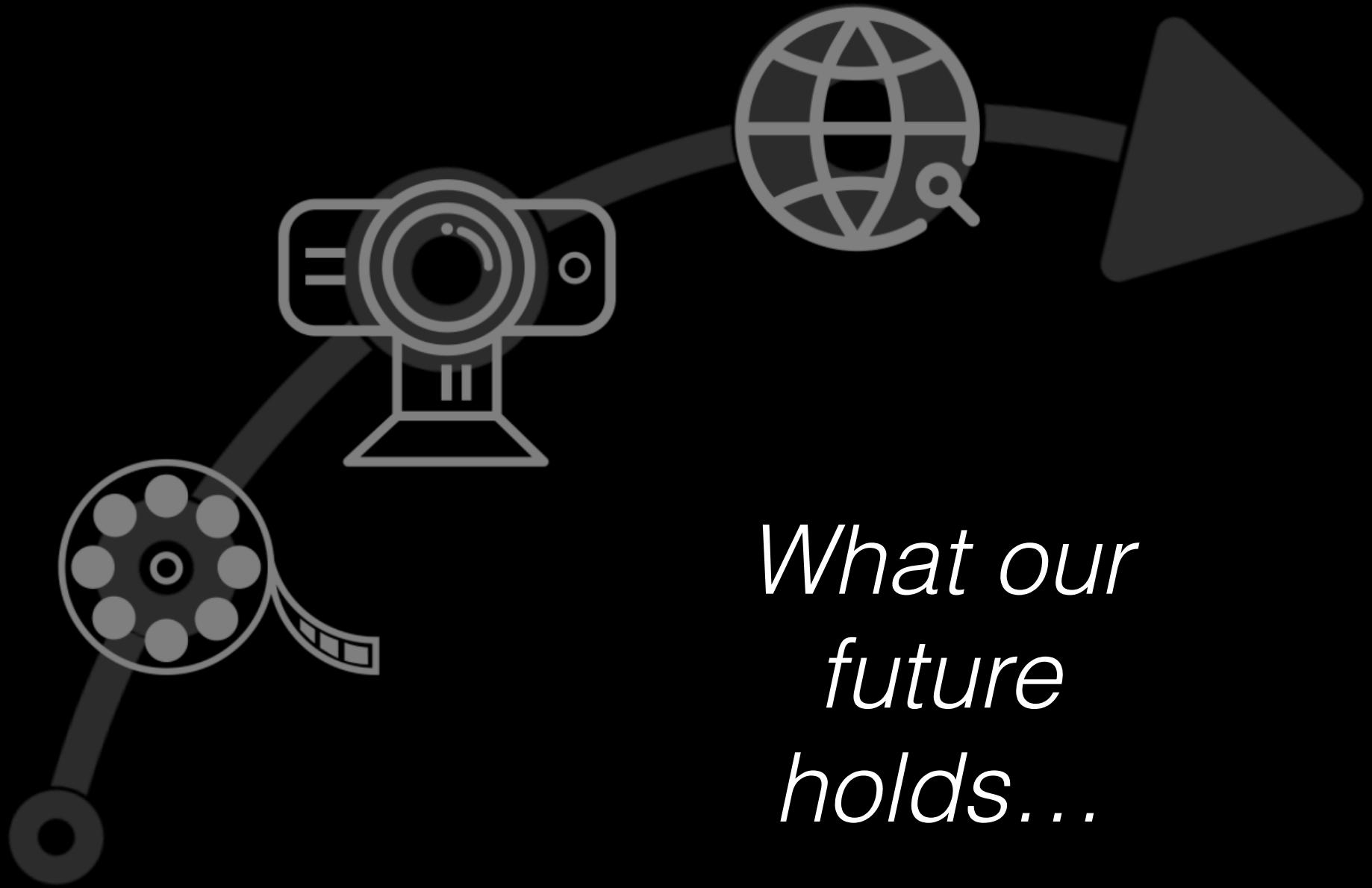
“Wow, even my grandma can use this!”

– Nabil Sakran (fellow classmate)

“Faster than I expected!”

– Dr. Smith (course instructor)





*What our
future
holds...*