

Accomplishments This Iteration

- Added more filters (sepia, brightness, invert)
- More refactoring
- Added ImageHistory to help with Undo/Redo
- Added Nunit testing
- Added *.bat files to aid with running code

Tasks for Iteration 5

- Complete Undo/Redo
- Add more filters (e.g. blur, sharpen)
- Add more test cases
- Add drawing tools (e.g. crop, pen, square)
- Add more, clean buttons to the GUI

Problems This Iteration

This iteration was more slow than others. As we added a testing harness, we came across more errors that were not easily visible just by overlooking the code. With this, however, we have been able to squash bugs more easily with the help of testing. We now have our code setup and refactored cleanly so that we may start on adding some more complex image manipulating tools. We have already implemented filters easily (Grayscale, Brighten, Invert, Sepia) and now we will be adding more paint tools for use on the image. Our main focus on this iteration was adding our test harness to get all of our code clean, consistent, and working properly, which even now we still have bugs to iron out.

Documentation Progress

We've created our end-user manual and programmer's guide. The end-user manual will be attached to the e-mail with this document. Our programmer's guide is located on Andy's CS website. We decided to use Doxygen to generate useful, organized documentation. To do this you enter specially formatted comments in the code that will later be converted to HTML. The link is:

<http://www.cs.kent.edu/~avanek/Capstone/ShoppedDocumentation>

Member Contribution

This project is only just beginning to grow to the point of splitting up work between each other. Lately, Andy has been focusing on setting up Nunit and using it to help debug Undo and Redo. Dan and Greg have been applying filters for use in the GUI. We almost have work spread out correctly in that we all need to work together and separately at the same time. With testing in place it just might be easier to split up work and work as one in the next coming iteration.