

### **Accomplishments This Iteration**

- Refined Undo/Redo as much as possible
- Added Pen Tool
- Added Color at mouse XY point (at bottom of window)
- Added buttons for all functions in toolbar
- Major refactoring
- Fixed boundary cases with buttons
- More Doxygen documentation
- Added Contrast Filter

### **Tasks for Iteration 6**

- Get pen tool to work properly
- Add eyedropper for use in conjunction with pen tool
- Final Code Cleanup
- Final refactoring
- Final bug fixing

### **Problems This Iteration**

This iteration was pretty smooth for the most part. With a testing harness in place, we kept our focus centered on bugfixing and refactoring. For example our Undo and Redo functions work just about as optimal as possible with the help of testing that was implemented last iteration. As requested by the professor we have incorporated a pen tool that can be customized by a contextual menu. We had originally planned to add a few more such as crop and a straight line tool, however looking at the time we have left to work with this project; we can only implement so many features as optimally as possible given our time for this project. As our goal is to write code efficiently and effectively as possible, our next iteration will be focused on getting what code we have as bug-free and clean as possible.

### **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 beginning to dwindle down to the last final weeks and we have found ourselves back at working in a speed programming paradigm. Dan and Greg have been assisting Andy coding where necessary with Dan's focus on filters, Greg's focus on documentation, and Andy's focus on coding and refactoring. With the last couple weeks in sight, all of our focus will be cleaning up and perfecting everyone's work.