Introduction to Programming II Project Log

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| **Project title:** | Drawing App |
| **Topic:** | Week 18: Work on bucket fill and stamp tool updates, complete Scissor and text tools. Start Beta testing app. |
| **What progress have you made this topic?** | |
| The bucket fill tool is not working as I can compare the pixels and then update them. Also as previously mentioned the Scissor tool was replaced in my tool with the clone tool. I have added the functionality to select the clone tool size using a slider so that copying larger images is more convenient. I have also completed the stamp tool but adding a slider that updates a text box with the current value, You can also manually set the rotation in the text block which sets the slider. I also added 2 other tools, highlighter and Kaleidoscop tools. Kaleidoscope I got from P5 reference and adapted whilst highlighter I had to update the colour palette array to set a value that has an opacity value to make the highlighter look more realistic. So, the colour palette tool now has colours for Tools, hightlighter and the flood fill tool. Depending on which is selected. | |
| **What problems have you faced and were you able to solve them?** | |
| The bucket fill tool uses the get() method and what I have found is that it is very slow. I have done some research online and seems some other people with slow tools. There is a Stack overflow article to show that there is a faster method which I tried in my code and could not get it to work. I know other students have a floodFill that was faster as well however, I updated my colour palette quite a bit to get this working and have no time to backtrack out of this. So, the fill works but it is quite slow depending on the size of the object. Also with the Stamp tool I wanted an overlay image which showed the image orientation however, this was cumbersome to implement and going with the method of used of slider and textbox had a better overall feel and functionality to use a specific value. | |
| **What are you planning to do over the next few weeks?** | |
| I Need to do some final touches to my apps and make sure that all comments are in place and neatened up so that I can beta test, | |
| **Are you on target to successfully complete your project? If you aren’t on target, how will you address the issue?** | |
| Yes, I am on track. It is a pity that the bucketFill tool is so slow though. But leaving that as it is I will be on time. | |