

Introduction to Programming II Project Log

Week 14

Project title:	Drawing App
Topic:	7 Extending the Apps
What progress have you made this topic?	
<p>During this topic I added the scissor tool that was introduced, I also extended the stamp tools functionality, tested that the app was functioning as expected and cleaned up the code for the midterm submission</p>	
What problems have you faced and were you able to solve them?	
<p>I struggled to get a click handler to function properly for the dynamic shape tool shape editing, and I had trouble getting my clickable elements to work properly for the coloring book tool. As of the midterm submission date I was not able to correct these problems.</p>	
What are you planning to do over the next few weeks?	
<p>I am planning on extending the functionality of the free hand tool and the shape tool and adding a copy paste tool.</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>I am currently on track to complete this project</p>	

Week 16

Project title:	Drawing App
Topic:	8 Callbacks
What progress have you made this topic?	
<p>I have fixed some glitches that were occurring from odd interactions while switching tools in the program. I also extended the coloring book tool to include a rotation tool to adjust images that are the wrong rotation when added to the canvas. Finally, I began adding the paint can tool.</p>	
What problems have you faced and were you able to solve them?	
<p>I have been having trouble getting the paint can tool to edit the pixel array properly I have yet to solve this problem but I feel I will have it solved before the next report. I also had trouble getting the rotate portion of the coloring book to behave as expected however I was able to solve this in a satisfactory way.</p>	
What are you planning to do over the next few weeks?	
<p>Over the next few weeks I plan to finish the paint can tool, and to finish adjusting the free hand tool to have other brush strokes I also plan to start adding user added files for the stamp tool and coloring book.</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>Currently I am on target to successfully complete the project. Due to starting a new job I am a little concerned about my new time dynamic, but It is too early to say definitively if I will have to adjust my project expectations, I have however marked some of the more ambitious tool of my project as possible portions to drop to maintain my deadline.</p>	

Project title:	Drawing App
Topic:	9 Testing for stability
What progress have you made this topic?	
<p>During this topic I completed adding an eraser tool for editing mistakes on the fly. I also designed some test cases for a volunteer third party to test my program for usability and understandability. Finally, I ran my app through a series of stability test and refined my flood fill paint can tool.</p>	
What problems have you faced and were you able to solve them?	
<p>My flood fill tool is still giving me trouble, I was able to get the tool to color the canvas or the shape individually. However, it is stopping to early and it is skipping pixels. I was unable to solve this issue this week</p>	
What are you planning to do over the next few weeks?	
<p>I am going to extensively test my application for usability and understandability. Once that is complete, I'm going to work on fixing any errors/bugs that were discovered and testing again.</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>I am still on target to complete my project. However, I am no longer on target to successfully complete the project to the level that I wanted to. To address this issue, I am going to drop my most ambitious extension the 3D model tool. I am going to give the time allocated for that tool, to problem solving, testing and refining of the overall project.</p>	

Project title:	Drawing App
Topic:	10 Testing with users
What progress have you made this topic?	
<p>This week I carried out user tests and corrected any errors or stability issues that showed up in the application. I made note of tools they enjoyed, and the issues they had with certain tools. With the information gained from user testing I worked on updating features with visibility cues to make for a better user experience for example the clear button on hover over the button turns red to indicate danger.</p>	
What problems have you faced and were you able to solve them?	
<p>With user testing it was difficult finding a diverse set of people to look at the application. I wanted basic users or everyday people, and power users or artists to try the application as their experiences would be different. I was able to find a small sampling that gave good feed back that I could work with.</p>	
What are you planning to do over the next few weeks?	
<p>Over the next few week, I am planning on finalizing the application, correcting all known errors and adding a tool tips and tricks button for explaining usage of the application and clarity. I am also going to be writing my report and submitting.</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>I am on target to have completed project. Minus a 3d tool, canvas textures, and a color wheel which proved to be too ambitious for this project.</p>	