
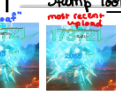

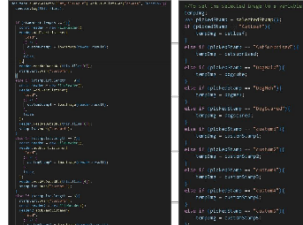


# Introduction to Programming II

## Project Log

Project title:	Drawing App
Topic:	Update on Blur Tool and implementing addition function for Stamp Tool. (5 <sup>th</sup> August 2023)
What progress have you made this topic?	
<p>* Blur Tool: Last week, I mention that the only one issue left. The last issue is that after using Blur Tool, the user chosen colour will get overwritten by the colour last "retrieved" by the Blur Tool. The update is that I have found the solution for that issue.</p> <p>* Stamp Tool: I've decided to add an additional function of allowing users to upload their own pictures to use as stamps, and ensure that the uploaded pictures will retain its aspect ratio. (eg 16:9, 4:3, 16:10, 9:16...)</p> <p>At the moment, I am working on allowing users to upload their own pictures and the current progress is roughly about 40% completed.</p>	
	
What problems have you faced and were you able to solve them?	
<p>* Blur Tool: Other tools retain colour pulled by Stamp Tool's get(). <b>Solution:</b> By initialising <code>stroke(colour.P.selected(colour))</code> and <code>fill(colour.P.selected(colour))</code> everytime I switch drawing tools, this will allow the tools to reselect the user's chosen colour. These codes are initialised through a function and is placed at the start of the other tool's draw function.</p> <p>* Stamp Tool: To save the user's uploaded picture, originally, I wanted to use "local storage" to do so. As seen in "How to Save Images to Local/Session Storage - Javascript Tutorial" by decode. However, I decided to not use aforementioned method because the uploaded pictures will be stored and only removed after closing the browser (for Session Storage). Which is undesirable and may cause the website to slow down after loading too many pictures. Instead, I've decided to store all images, uploaded and local, in array instead [via <code>stampImages.push(loadImage(reader.result))</code>].</p> <p>The current issue is that when I am reinitialising the content of the dropbox after uploading an image, it caused all of the local images to be "overridden" by the most recently uploaded picture. This issue is not solved yet.</p>	
 	
What are you planning to do over the next few weeks?	
<p>After fixing the Stamp Tool's current issue, I will try to make the codes neater and attempt to make modifications that will allow users to upload more than at most 5 stamps to use. These changes might be my final changes as I think the amount of functionalities I implemented are sufficient, and to give me sufficient time to revise for the other modules.</p> <p>Codes that are in need of refactoring</p>	
	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>On paper, I have reached the finish line for this project. Thus, I may add more functions depends on how much free times I have.</p>	