

Introduction to Programming II

Project Log

Project title:	Draw-app-masterV2
Topic:	Topic 8 Callbacks
What progress have you made this topic?	
I'm implementing the eraser tool and ellipse tool , the basic function is working.	
What problems have you faced and were you able to solve them?	
I wanted to replace the cursor by an image, and I found that doesn't work as it described in the P5js reference doc. I logged a bug here https://github.com/processing/p5.js/issues/6804	
What are you planning to do over the next few weeks?	
Next week, I will focus on creating a footer of the page, on which some info can be displayed, eg. Current tool name and current mouse position.	
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 target to successfully complete my project.	

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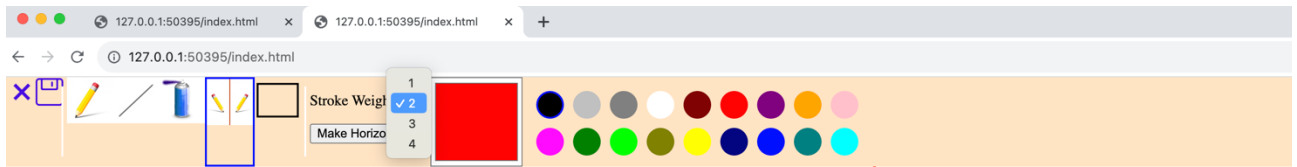
Project Log

Project title:	Draw-app-master-V2
Topic:	Topic 9 Testing for stability
What progress have you made this topic?	
<p>I added textTool, which you can control text size by a slider and text position by input coordination x and y.</p> <p>I've added a footer bar to display current pointer position and current selected tool's name.</p>	
What problems have you faced and were you able to solve them?	
<p>I haven't encountered any particularly difficult problems this week.</p>	
What are you planning to do over the next few weeks?	
<p>I've found some bugs and will fix them in next week.</p> <p>Also will stick on the plan, will add alert when clearing</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>Yes, I am on target to successfully complete my project.</p>	

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Project Log

Project title:	Draw-app-masterV2
Topic:	Topic 7 Extending the apps
What progress have you made this topic?	
<p>My project is to extend the drawing tool, I'm currently working on create a global strokeWeight dropdown list, by using this list, users are able to set strokeWeight to all the tools.</p> <p>I have completed the strokeWeight dropdown list.</p> <p>I also added a rectangle tool to the tools box, this part is quite straight forward.</p>	
What problems have you faced and were you able to solve them?	
<p>When creating the dropdown list I have some trouble to handling the event.</p> <p>I have referenced this article to solve the problem and learnt from it. https://www.w3resource.com/javascript-exercises/event/javascript-event-handling-exercise-2.php</p>	
What are you planning to do over the next few weeks?	
<p>Next week I will focus on adding a global control of "fill" like the strokeWeight list, so user can also control "fill" globally.</p> <p>also I will add more tools like "eclipse" "triangle".</p>	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	
<p>now, I am on the track of the schedule.</p>	



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Project Log

Project title:	Draw-app-master-V2
Topic:	Topic 10 Testing with users (cont.)
What progress have you made this topic?	
<p>Tested around the function and found some bugs and issues, I have been fixed them in this week. and also, made some changes in the UI and css to make it looks better.</p> <p>Added Bucket Tool.</p> <p>Added alert box when clearing.</p>	
What problems have you faced and were you able to solve them?	
<p>When implementing the bucket fill tool, I found that the flood-fill algorithm is particularly slow when filling large areas, and remember in the video mentioned an array checked but not use it, I use the checked array to store those already check point, so the program will skip the point if it's already been checked, this increase the performance significantly.</p> <p>I found mouseIsPressed event called twice every time, this makes some out of range error, I guess it is because the loop is called very fast, like many times each second, the mouse button is not released across loops, so I changed to use the mouseClicked function, that doing very well and no out of range error anymore.</p>	
What are you planning to do over the next few weeks?	
Are you on target to successfully complete your project? If you aren't on target, how will you address the issue?	

Yes