✓ **You finished this assignment**

Keep Learning

No Attempts Left

GRADE
47.61%

6.302 Interim project progress [001]

Instructions

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1. Outline your project and which extensions you are building on to the template. (400 words)

3 / 4 points

Your answer should include:

- Which of the templates you are extending and why have you chosen to do it.

- What extensions have you chosen to do. You should include in your answer: any complex coding techniques you will need to use, (such as arrays of objects, constructor functions, nested looping); the complexity of the extension; and any expected challenges you will have implementing it.

> I will be working on the drawing app. It was chosen because by completing the project I would have acquired better understanding of programming - it's usefulness in solving problem and making things happen. The feature/ extension to be added include:
>
> - Adding layers to canvas
>
> - Advance multiple colors and an eraser tool.
> - Rectangle Tool with editable shape adding stroke widths and opacity
> - Hand Tool
> - Cloning Tool
> - Importing 3D objects
>   Text, Shape, Selection Tool
>
> The constructor function will be used for creating each features/extension, so it can be easily called/reusable. The major challenge expected is the DOM and canvas, especially when implementing the layers.

GRADING RUBRIC

Is the project sufficiently complex to meet the criteria of the assignment?	
○ **0 points**	No changes have been planned to the template.
○ **1 point**	Superficial changes specified. Not enough to demonstrate the range of skills learnt in the module.
○ **2 points**	Some non-trivial changes specified, sufficient to score adequately on the final project but they may not utilise the full range of programming techniques.
⦿ **3 points**	Excellent range of extensions and modifications specified. Changes are reflective of the final mark scheme.
○ **4 points**	Very complex features. Maybe more advanced than the required standard. See marker notes below.

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2. Discuss the progress you have made on your project so far. (400 words)

3 / 9 points

Your answer should include:

- What design work and research you have done while developing your extensions. You can include diagrams here in support of your answer. This might include but not be limited to: brainstorming, interface designs, code diagrams, and notes on the ideas and code.

You don't have to include everything you have done up to this point but try and be selective and select the best examples of your process.

- How much of the code have you written so far. What do you intend to do next?

> - In the course of research, I found some related application that has already been implemented, most similar among them is figma (https://www.figma.com) but it's majorly used for user interface design, not really a

drawing application.

And I have worked more on coming up with a user interface design (zip with question 5 attachment), so that the development would be easier.

I have implemented:
- The Eraser Tool
- Rectangle Tool
- Advance Color Picker
- Stamp tool - allowing a user to upload their own image

I have written over 200 lines of code, and I want to continue implementing the remaining features/ extensions outlined in question 1.

GRADING RUBRIC

Have you made satisfactory progress on the project so far?

○	0 points	No changes have been made to the template.
○	1 point	Some simple changes have been made. Progress is slow and will need to be speeded up to achieve a satisfactory project.
◉	2 points	Adequate progress. Although this pace will need to be raised to complete a very good project.
○	3 points	Good changes so far. On or close to target for completing the planned changes and extensions.
○	4 points	Very good progress. Plan to completed within time and to a high standard.
○	5 points	Excellent progress. By maintaining this pace the project will be completed on time with head room for testing and evaluation.
○	6 points	Outstanding level of progress. This project would score well in its current state if submitted to the final submission.

Does the design work you have produced (notes, interface designs, code design drawings) effectively detail the development process you are undertaking?

○	0 points	No design work or evidence of feature planning has been submitted.
◉	1 point	Superficial ideas. Possibly presented as a list. No evidence of iteration or refinement.
○	2 points	Good detailed ideas with consideration of technical implementation. Designs have been iterated and considered.
○	3 points	Excellent design work that shows detailed thought and development. Technical challenge is considered and choices are thoughtful.

3. Discuss how you will organise you time for the rest of the project. (200 words)   **2 / 4 points**

- Your answer should be based around a Gantt chart or other time organisation process. You can easily make this in a spreadsheet program and export an image or take a screenshot for inclusion here. Any words on the diagram do not count towards the word count.

If you use a Gantt chart should include the total time of the projects in weeks. You will also need to divide up the parts of your program and submission into activities for allocating time to on the chart.

- Your timescales should include progress to this point as well as afterwards.

- You should discuss how you have decided on the time you have allocated to each activity and why you have allocated these amounts of time.

- You should make reference to your chart to clarify the points you make here.

The gantt chart is attached with question 5, all tasks outlined in question 1 are to be completed in a week except

The gantt chart is attached with question 3, all tasks outlined in question 1 are to be completed in a week except the "importing 3D object" task because of its complexity.

GRADING RUBRIC

	Have you provided a detailed plan of how you are going to complete your project?
○ 0 points	No plan has been submitted.
○ 1 point	A set of tasks has been submitted probably in the form of a list. No associated timings or consideration of the work required to achieve goals.
◉ 2 points	A Gantt chart or similar has been provided. Task difficulty may not have been as well considered as required for this plan to be effective.
○ 3 points	A careful plan in the form of a gantt chart or similar. Along with discussion on how the plan is to be achieved in the time remaining.
○ 4 points	A rigorous and thoughtful plan, that has considered the complexity of the tasks to undertake and how they will be achieved.

4. List any external sources that you have actively utilised in your project. This should include: `2 / 4 points`

- any code you have used from external sources directly

- any code that you have taken inspiration from but adapted and refined for the project (such as pseudocode algorithms or code pens)

- any online help forums you have taken code from (i.e. StackOverflow or library documentation)

- any third-party libraries you are using.

You do not need to include everything you have read or that has helped you. Only where you have used or adapted code that appears in your project.

- p5js reference: https://p5js.org/reference/#/p5/createFileInput

GRADING RUBRIC

	You have provided sufficient evidence on where you have used external sources in your coding. Both in the prompt above and the code comments.
◉ 0 points	No
○ 1 point	Yes

	Has your report been well enough written and accurately communicates your work at the required level of detail? This includes spelling and grammar.
○ 0 points	Report is lacking in quantity. Very poor spelling and grammar. One or more report sections is over word limit.
○ 1 point	Some insight into the students plan and progress are relayed but understanding the report maybe difficult in places.
◉ 2 points	Report is well written and ideas effectivly communicated, some small mistakes in grammar and typos.
○ 3 points	A very well-written report. It is easy to read and understand the students achievements.

5. Upload your work in progress project files as a zip. Please don't use any other compression file formats.

midterm.zip

GRADING RUBRIC

Further comments from the grader on your submission.

You've specified a good range of extensions that should fulfill the criteria, and you've made a good start. I think you will need to set a good pace to complete all your goals. You could break your Gantt chart into sub-tasks to help you. The mouse doesn't quite match up in the shape tool, and there's some bugs in the editable shape (check the course video fully for fixes). Remember to also include inks for the resources you've used in your code comments where applicable. I hope you enjoy continuing on the project.