

## Final Project Proposal

**Group Name:** Drawing Nerds

**Title for Project:** Mini Draw

### Short Description

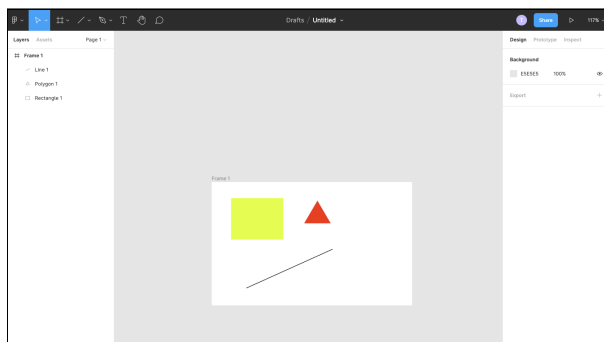
We are enhancing the drawing tool from previous homeworks (hw 5) to be more like an online prototyping tool such as Figma. This will include previous features but with a different design interface (styling and layout) and newly-implemented functionality.

### Members

Name	Email
Jenny Song	<a href="mailto:jingyiso@andrew.cmu.edu">jingyiso@andrew.cmu.edu</a>
Tadpol Rachatasumrit	<a href="mailto:trachata@andrew.cmu.edu">trachata@andrew.cmu.edu</a>
Neha Deshmukh	<a href="mailto:ndeshmuk@andrew.cmu.edu">ndeshmuk@andrew.cmu.edu</a>

### Description

Our idea is to build off of the previous homeworks to build a more advanced prototyping/drawing tool online. For the design and features of this online tool, we hope to take inspiration from Figma, and add our own implementations and functionality to the existing interface. We hope to include basic features like drawing shapes, changing colors, etc. but enhance the UI and functionality to include options like creating layers, resizing shapes, adding undo and redo options, custom color options, and inputting pictures from an online library/gallery. Time-permitting, we also hope to try to implement features like artboards to store drawings, saving entire drawing files, and the repeat-action command.



### Features

- Drawing shapes - rectangle, ellipse, line, polygon, text
- Layers
- Resize
- Input pictures - add unsplash/pexels plugin to upload online

- Undo/Redo
- Custom fill colors, border color

### ***Optional Features***

- Artboards (optional)
- Save
- Repeat

### **Libraries/Frameworks**

- React - Start from the homework 5 code.
- Color Views libraries (for color picker)

### **Work Distribution**

<b>Student</b>	<b>Work</b>	<b>Deadline</b>
Neha	<ul style="list-style-type: none"><li>- Sketch design for layout</li><li>- Setting up the project from homework 5 code.<ul style="list-style-type: none"><li>- Extracting &amp; Refining components</li><li>- Simple drawing shapes</li></ul></li><li>- Modify the styling to match the sketch.<ul style="list-style-type: none"><li>- Move Control panel.</li><li>- Add a layer panel.</li></ul></li></ul>	Friday, Nov 26
Jenny	<ul style="list-style-type: none"><li>- Drawing Shapes Feature</li><li>- Custom Fill Colors</li><li>- Add Pictures</li></ul>	Friday, Nov 29
Tadpol	<ul style="list-style-type: none"><li>- Layers</li><li>- Resize</li></ul>	Friday, Nov 29
<b>Together</b>	<ul style="list-style-type: none"><li>- Undo/Redo</li></ul>	Friday, Dec 1

### **Reference**

- <https://codepen.io/winkerVSbecks/pen/wrZQQm>