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Final Project Proposal

Our idea for the final project is to create a wireless sketchpad. The hardware required would be as follows:

- A breadboard
- A computer
- A Tiva-C Microcontroller
- A touchscreen/LCD display
- A radio transmitter
- Either dials on the board or a program on the computer to adjust the color being used

The software requirements are as follows:

- The code must accurately respond to touchscreen inputs
- The code must receive inputs from either dials on the board or a computer program to change what color is being used to draw
- The code must allow the touchpad to interact with the computer and draw images
- There must be an option to clear the screen
- There must be an option to erase a stroke by pressing a button

The sketchpad will receive input from the user and will output what they draw to the screen. The user will have the option to change the colors they use with the dials or a computer program. The user will also have the option to undo recent actions. The sketchpad itself will have wireless capabilities.