

CMPE 496 – HUMAN COMPUTER INTERACTION
SPRING 2022 – HOMEWORK 1
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MOTIVATION

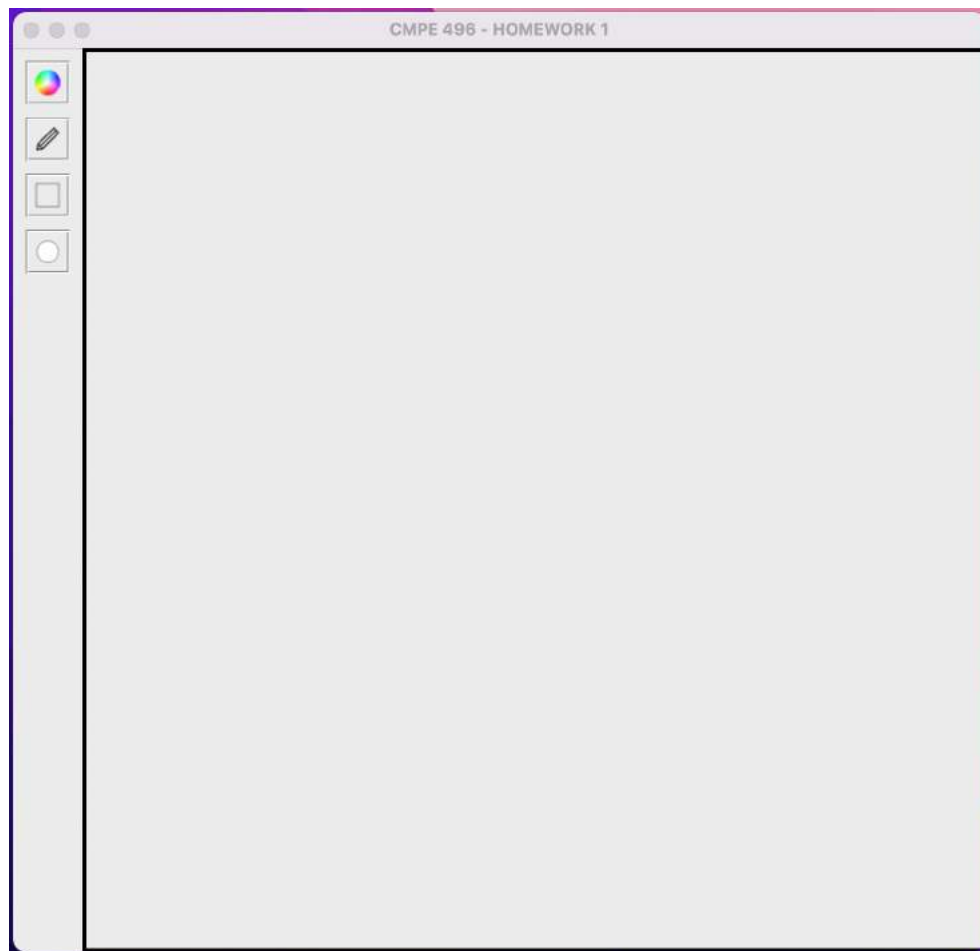
The motivation in this homework is to design a simple drawing editor. Users shall be able to draw lines, rectangles or ellipses with different colors.

IMPLEMENTATION

I implemented the motivated tool in Python. I used Tkinter, which is a GUI framework that's built into the Python standard library. I also used idlelib to display tooltips. Code is explained with comments.

UI

When the program is run, a 700x700 window opens that is the editor. There are buttons at the left-hand side. The one at the top is color picker. The others are line tool, rectangle tool and circle tool, respectively. User can click one of this icons to select the desired tool.



UI DETAILS

Tooltips are used to indicate the meaning of tool buttons. Color picker is opened as a separate window. The selected tool is indicated with the button's pressed appearance.



Below, you can see a simple drawing user can create, using line, rectangle and circle tools, with different colors.

