Features

1 – Read VEC File format (support CR/LF or ASCII format)

2 – Export VEC file as LF-format

3 – Read LINE – (format is X1,Y1 to X2,Y2) from VEC

4 – Display LINE in a square 1:1 aspect ratio

5 – Drawing and commands must be in decimal coordinates to support VECTOR format

6 – Read PLOT command (Point at X1, Y1)

7 - Draw PLOT command

8 – Read RECTANGLE command, draws a rectangle with the top-left corner at x1,y1 and the bottom-right corner at x2,y2.

9 – Draw RECTANGLE

10 – Read PEN[Colour] command , in html 6-digit hexadecimal

11 – Colour can be 0-255 or letters (not case sensitive)

12 - Change the colour of subsequent VEC commands using PEN

13 - Read Fill command

14 – Fill the subsequent shape/s after the FILL command

15 – Read FILL OFF Command to get rid of the FILL

16 – Read ELLIPSE command

17 – Draw ELLIPSE command

18 - Read POLYGON command

19 – Draw POLYGON

20 – Implement FILL with POLYGON

UI design

21 - Menu bar with minimum of file opening and saving

22 - Tool pallet visible at all times – drawing tools

23 – Colour pallet to set colour of drawing tools

24 – Display canvas to display VEC files and draw graphics using drawing tools

25 – Load and Save dialog to navigate file system

26 – Filter out for VEC files using file system navigation and Save as VEC as default

27 – Resizing window will keep the same coordinates for the new scale

28 – Window size must be a square

29 – Undo option in menu and bound to ctrl Z

30 – Undo can be used to loaded VEC file