Tkinter

Design a gui

In [ ]:

```python
import tkinter as tk  #Load the tkinter library (module)


#make a main window
root = tk.Tk()                          #root will be the name of the window
root.title("My first programme")
root.geometry("400x200")                #Size in pixels
root.configure(background='Green')       #Background Colour
root.resizable(False,False)              #Can't resize window

#button function
def myfunction():
    #This function will change the text of
    myText.config(text = "World")

#Make a button
myButton = tk.Button(root,text="Press Me",font=("Arial", 20),command=myfunction)
myButton.place(relx=0.2,rely=0.2,relwidth=0.6,relheight=0.2)

#Label
myText = tk.Label(root, text="Hello",font=("Arial", 20))
myText.place(relx=0.2,rely=0.6,relwidth=0.6,relheight=0.2)

#The main loop to keep processing user events
root.mainloop()
```
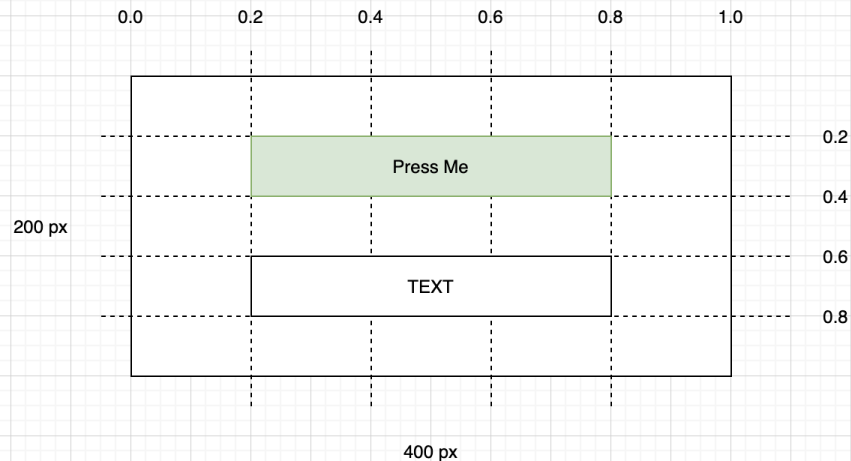
Relative

| 0.0 | 0.2 | 0.4 | 0.6 | 0.8 | 1.0 |

Press Me 0.2 0.4

200 px

TEXT 0.6 0.8

400 px

The buttons will be 0.6 wide and 0.2 high
400px * 0.6 = 240 px