

GUI.py

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1  #! /usr/bin/env python
2  #
3  # GUI module generated by PAGE version 4.12
4  # In conjunction with Tcl version 8.6
5  #   Mar 27, 2018 06:51:38 PM
6
7  import sys
8
9  try:
10     from Tkinter import *
11 except ImportError:
12     from Tkinter import *
13
14  try:
15     import ttk
16     py3 = False
17 except ImportError:
18     import tkinter.ttk as ttk
19     py3 = True
20
21  import GUI_support
22
23  def vp_start_gui():
24     '''Starting point when module is the main routine.'''
25     global val, w, root
26     root = Tk()
27     GUI_support.set_Tk_var()
28     top = Memory_Simulator (root)
29     GUI_support.init(root, top)
30     root.mainloop()
31
32  w = None
33  def create_Memory_Simulator(root, *args, **kwargs):
34     '''Starting point when module is imported by another program.'''
35     global w, w_win, rt
36     rt = root
37     w = Toplevel (root)
38     GUI_support.set_Tk_var()
39     top = Memory_Simulator (w)
40     GUI_support.init(w, top, *args, **kwargs)
41     return (w, top)
42
43  def destroy_Memory_Simulator():
44     global w
45     w.destroy()
46     w = None
47
48
49  class Memory_Simulator:
50     def __init__(self, top=None):
51         '''This class configures and populates the toplevel window.
52            top is the toplevel containing window.'''
53         _bgcolor = '#d9d9d9' # X11 color: 'gray85'
54         _fgcolor = '#000000' # X11 color: 'black'
55         _compcolor = '#d9d9d9' # X11 color: 'gray85'
56         _ana1color = '#d9d9d9' # X11 color: 'gray85'
57         _ana2color = '#d9d9d9' # X11 color: 'gray85'
58
59         top.geometry("967x763+473+136")
60         top.title("Memory Simulator")
61         top.configure(background="#d3d3d3")
62         top.configure(highlightbackground="#d9d9d9")

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63 top.configure(highlightcolor="black")
64
65
66
67 self.menubar = Menu(top,font="TkMenuFont",bg=_bgcolor,fg=_fgcolor)
68 top.configure(menu = self.menubar)
69 #file button
70 self.menubar.add_command(
71     activebackground="#d8d8d8",
72     activeforeground="#000000",
73     background="#d9d9d9",
74     command=GUI_support.fileSelected,
75     font="TkMenuFont",
76     foreground="#000000",
77     label="File")
78
79
80
81 #next button
82 self.NextButton = Button(top)
83 self.NextButton.place(relx=0.16, rely=0.62, height=33, width=43)
84 self.NextButton.configure(activebackground="#000000")
85 self.NextButton.configure(activeforeground="white")
86 self.NextButton.configure(activeforeground="#000000")
87 self.NextButton.configure(background="#000000")
88 self.NextButton.configure(command=GUI_support.nextButtonClicked)
89 self.NextButton.configure(disabledforeground="#a3a3a3")
90 self.NextButton.configure(foreground="ffffff")
91 self.NextButton.configure(highlightbackground="#000000")
92 self.NextButton.configure(highlightcolor="black")
93 self.NextButton.configure(pady="0")
94 self.NextButton.configure(text='''Next''')
95 #message window for file output
96 self.Message1 = Message(top)
97 self.Message1.place(relx=0.05, rely=0.03, relheight=0.56, relwidth=0.25)
98 self.Message1.configure(background="ffffff")
99 self.Message1.configure(foreground="#000000")
100 self.Message1.configure(highlightbackground="#d9d9d9")
101 self.Message1.configure(highlightcolor="black")
102 self.Message1.configure(text='''Message''')
103 self.Message1.configure(textvariable=GUI_support.fileContent)
104 self.Message1.configure(width=246)
105 #message windows for 8 frames
106 self.Frame1 = Message(top)
107 self.Frame1.place(relx=0.37, rely=0.03, relheight=0.09, relwidth=0.14)
108 self.Frame1.configure(background="ffffff")
109 self.Frame1.configure(foreground="#000000")
110 self.Frame1.configure(highlightbackground="#d9d9d9")
111 self.Frame1.configure(highlightcolor="black")
112 self.Frame1.configure(text='''Message''')
113 self.Frame1.configure(textvariable=GUI_support.messageBoxStrings[0])
114 self.Frame1.configure(width=136)
115
116 self.Frame2 = Message(top)
117 self.Frame2.place(relx=0.37, rely=0.12, relheight=0.09, relwidth=0.14)
118 self.Frame2.configure(background="ffffff")
119 self.Frame2.configure(foreground="#000000")
120 self.Frame2.configure(highlightbackground="#d9d9d9")
121 self.Frame2.configure(highlightcolor="black")
122 self.Frame2.configure(text='''Message''')
123 self.Frame2.configure(textvariable=GUI_support.messageBoxStrings[1])
124 self.Frame2.configure(width=136)
125
126 self.Frame3 = Message(top)
127 self.Frame3.place(relx=0.37, rely=0.21, relheight=0.09, relwidth=0.14)
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128 self.Frame3.configure(background="#ffff00")
129 self.Frame3.configure(foreground="#000000")
130 self.Frame3.configure(highlightbackground="#d9d9d9")
131 self.Frame3.configure(highlightcolor="black")
132 self.Frame3.configure(text='''Message''')
133 self.Frame3.configure(textvariable=GUI_support.messageBoxStrings[2])
134 self.Frame3.configure(width=136)
135
136 self.Frame4 = Message(top)
137 self.Frame4.place(relx=0.37, rely=0.3, relheight=0.09, relwidth=0.14)
138 self.Frame4.configure(background="#ffffff")
139 self.Frame4.configure(foreground="#000000")
140 self.Frame4.configure(highlightbackground="#d9d9d9")
141 self.Frame4.configure(highlightcolor="black")
142 self.Frame4.configure(text='''Message''')
143 self.Frame4.configure(textvariable=GUI_support.messageBoxStrings[3])
144 self.Frame4.configure(width=136)
145
146 self.Frame5 = Message(top)
147 self.Frame5.place(relx=0.37, rely=0.39, relheight=0.09, relwidth=0.14)
148 self.Frame5.configure(background="#ffff00")
149 self.Frame5.configure(foreground="#000000")
150 self.Frame5.configure(highlightbackground="#d9d9d9")
151 self.Frame5.configure(highlightcolor="black")
152 self.Frame5.configure(text='''Message''')
153 self.Frame5.configure(textvariable=GUI_support.messageBoxStrings[4])
154 self.Frame5.configure(width=136)
155
156 self.Frame6 = Message(top)
157 self.Frame6.place(relx=0.37, rely=0.48, relheight=0.09, relwidth=0.14)
158 self.Frame6.configure(background="#ffffff")
159 self.Frame6.configure(foreground="#000000")
160 self.Frame6.configure(highlightbackground="#d9d9d9")
161 self.Frame6.configure(highlightcolor="black")
162 self.Frame6.configure(text='''Message''')
163 self.Frame6.configure(textvariable=GUI_support.messageBoxStrings[5])
164 self.Frame6.configure(width=136)
165
166 self.Frame7 = Message(top)
167 self.Frame7.place(relx=0.37, rely=0.58, relheight=0.09, relwidth=0.14)
168 self.Frame7.configure(background="#ffff00")
169 self.Frame7.configure(foreground="#000000")
170 self.Frame7.configure(highlightbackground="#d9d9d9")
171 self.Frame7.configure(highlightcolor="black")
172 self.Frame7.configure(text='''Message''')
173 self.Frame7.configure(textvariable=GUI_support.messageBoxStrings[6])
174 self.Frame7.configure(width=136)
175
176 self.Frame8 = Message(top)
177 self.Frame8.place(relx=0.37, rely=0.67, relheight=0.09, relwidth=0.14)
178 self.Frame8.configure(background="#ffffff")
179 self.Frame8.configure(foreground="#000000")
180 self.Frame8.configure(highlightbackground="#d9d9d9")
181 self.Frame8.configure(highlightcolor="black")
182 self.Frame8.configure(text='''Message''')
183 self.Frame8.configure(textvariable=GUI_support.messageBoxStrings[7])
184 self.Frame8.configure(width=136)
185 #message box for loading statements
186 self.Message4 = Message(top)
187 self.Message4.place(relx=0.58, rely=0.03, relheight=0.9, relwidth=0.37)
188 self.Message4.configure(background="#ffffff")
189 self.Message4.configure(foreground="#000000")
190 self.Message4.configure(highlightbackground="#d9d9d9")
191 self.Message4.configure(highlightcolor="black")
192 self.Message4.configure(text='''Message''')
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193 self.Message4.configure(textvariable = GUI_support.pagesLoaded)
194 self.Message4.configure(width=356)
195 #ntry for user to input frame size
196 self.RamField = Entry(top)
197 self.RamField.place(relx=0.12, rely=0.77,height=24, relwidth=0.1)
198 self.RamField.configure(background="white")
199 self.RamField.configure(disabledforeground="#a3a3a3")
200 self.RamField.configure(font="TkFixedFont")
201 self.RamField.configure(foreground="#000000")
202 self.RamField.configure(insertbackground="black")
203 self.RamField.configure(textvariable=GUI_support.ramSize)
204 self.RamField.configure(width=94)
205
206
207
208
209 if __name__ == '__main__':
210     vp_start_gui()
211
212
213
214
```