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1 import tkinter as tk
2 from tkinter import *
3 from tkinter import filedialog
4 from tkinter import font
5 from tkinter.ttk import Combobox
6 import pyttsx3
7 import os
8
9 # speaknow function
10 engine=pyttsx3.init()
11
12 def speaknow():
13     text=text_area.get(1.0,END)
14     gender=gender_opt.get()
15     speed=speed_opt.get()
16     voices=engine.getProperty('voices')
17
18     def setVoice():
19         if(gender=='Male'):
20             engine.setProperty('voice',voices[0].id)
21             engine.say(text)
22             engine.runAndWait()
23         else:
24             engine.setProperty('voice',voices[1].id)
25             engine.say(text)
26             engine.runAndWait()
27     if(text):
28         if(speed=="Fast"):
29             engine.setProperty('rate',250)
30             setVoice()
31         elif (speed=='Normal'):
32             engine.setProperty('rate',150)
33             setVoice()
34         else:
35             engine.setProperty('rate',60)
36             setVoice()
37
38 # download function
39 def download():
40     text=text_area.get(1.0,END)
41     gender=gender_opt.get()
42     speed=speed_opt.get()
43     voices=engine.getProperty('voices')
44
45     def setVoice():
46         if(gender=='Male'):
47             engine.setProperty('voice',voices[0].id)
48             path=filedialog.askdirectory()
49             os.chdir(path)
50             engine.save_to_file(text,'sample_text.mp3')
51             engine.runAndWait()
52         else:
53             engine.setProperty('voice',voices[1].id)
54             path=filedialog.askdirectory()
55             os.chdir(path)
56             engine.save_to_file(text,'sample_text.mp3')
57             engine.runAndWait()
58
59     if(text):
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60         if(speed=="Fast"):
61             engine.setProperty('rate',250)
62             setVoice()
63         elif (speed=='Normal'):
64             engine.setProperty('rate',150)
65             setVoice()
66         else:
67             engine.setProperty('rate',60)
68             setVoice()
69
70 # creating dialogue box
71 root =Tk()
72 root.title("Text To Speech")
73 root.geometry("900x450+350+200")
74 root.resizable(False,False)
75 root.configure(bg="#305065")
76
77 # icons
78 image_icon=PhotoImage(file="speak.png")
79 root.iconphoto(False,image_icon)
80
81 #top frame
82 top_frame=Frame(root,bg="white",width="900",height="100")
83 top_frame.place(x=0,y=0)
84
85 logo=PhotoImage(file="speaker logo.png")
86 Label(top_frame,image=logo,bg="white").place(x=10,y=5)
87
88 Label(top_frame,text="TEXT TO SPEECH",font="arial 20
89 bold",bg="white",fg="black").place(x=100,y=30)
90 #####
91 # placing an text area
92 text_area=Text(root,font="Roboate 20",bg="white",relief=GROOVE,wrap=WORD)
93 text_area.place(x=10,y=150,width=500,height=250)
94
95 # options
96
97 Label(root,text="VOICE",font="arial 15
98 bold",bg="#305065",fg="white").place(x=580,y=160)
99 Label(root,text="SPEED",font="arial 15
100 bold",bg="#305065",fg="white").place(x=760,y=160)
101
102 # 1:- Gender
103 gender_opt=Combobox(root,values=['Male','Female'],font="arial
104 14",state='r',width=10)
105 gender_opt.place(x=550,y=200)
106 gender_opt.set('Male')
107
108 # 2:- Speed
109 speed_opt=Combobox(root,values=['Slow','Normal','Fast'],font="arial
110 14",state='r',width=10)
111 speed_opt.place(x=730,y=200)
112 speed_opt.set('Slow')
113
114 # 3:-Button
115 imageIcon=PhotoImage(file="speak.png")
116 btn=Button(root,text="SPEAK",compound=LEFT,image=imageIcon,width=130,font="arial
117 14 bold",command=speaknow)
118 btn.place(x=550,y=280)

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114
115 imageIcon2=PhotoImage(file="download.png")
116 save=Button(root,text="SAVE",compound=LEFT,image=imageIcon2,width=130,bg="#39c790"
,font="arial 14 bold",command=download)
117 save.place(x=730,y=280)
118
119 root.mainloop()
```