Project : LIBRARY MANAGEMENT SYSTEM

**from** tkinter **import** \*  
**import** tkinter **as** tk  
**import** csv  
**from** tkinter **import** messagebox, ttk  
  
**def** LibraryManagementsystem():  
 **def** show\_frame(frame\_faces):  
 frame\_faces.tkraise()  
  
 win = Tk()  
 win.geometry(**"1550x800+0+0"**)  
 win.rowconfigure(0, weight=1)  
 win.columnconfigure(0, weight=1)  
 frame1 = Frame(win)  
 frame2 = Frame(win)  
 frame3 = Frame(win)  
 frame4 = Frame(win)  
 frame5 = Frame(win)  
 frame6 = Frame(win)  
 frame7 = Frame(win)  
 frame8 = Frame(win)  
 frame9 = Frame(win)  
 frame10 = Frame(win)  
 frame11 = Frame(win)  
 frame12 = Frame(win)  
 frame13 = Frame(win)  
 frame14 = Frame(win)  
 **for** frame **in** (frame1, frame2, frame3, frame4, frame5, frame6, frame7, frame8, frame9, frame10, frame11, frame12, frame13,  
 frame14):  
 frame.grid(row=0, column=0, sticky=**"nsew"**)  
  
 student = tk.StringVar()  
 book1 = tk.StringVar()  
  
 *#For Issuebooks* **def** fun5():  
 **def** func3():  
 window = Tk()  
 window.title(**'Issue Books'**)  
 window.geometry(**'500x500'**)  
  
 label1 = tk.Label(window, text=**'Book'**)  
 label1.grid(row=0, column=0)  
 label2 = tk.Label(window, text=**'Student Username'**)  
 label2.grid(row=1, column=0)  
 label3 = tk.Label(window, text=**'Issued date'**)  
 label3.grid(row=2, column=0)  
  
 textbox1 = tk.Entry(window)  
 textbox1.grid(row=0, column=1)  
 textbox2 = tk.Entry(window)  
 textbox2.grid(row=1, column=1)  
 textbox3 = tk.Entry(window)  
 textbox3.grid(row=2, column=1)  
  
 **def** issue():  
 issue\_book = textbox1.get()  
 issue\_user = textbox2.get()  
 issue\_date = textbox3.get()  
  
 **if** (issue\_book == **'' or** issue\_user == **'' or** issue\_date == **''**):  
 messagebox.showerror(**'error'**, **'You forgot to enter something'**)  
  
 **else**:  
 **with** open(‘**C:/Users/NITHIN M C/PycharmProjects/my project/issue1.csv'**, **'a'**) **as** file:  
 writer = csv.writer(file)  
 writer.writerow([issue\_book, issue\_user, issue\_date])  
 file.close()  
  
 button1 = tk.Button(window, command=issue, text=**'Save'**,bg=**"gold"**,fg=**"black"**)  
 button1.place(x=50, y=200)  
  
  
 **def** delete():  
 issue\_book = textbox1.get()  
 issue\_user = textbox2.get()  
 issue\_date = textbox3.get()  
  
 textbox1.delete(0, END)  
 textbox2.delete(0, END)  
 textbox3.delete(0, END)  
  
 button2 = tk.Button(window, command=delete, text=**'Clear'**,bg=**"lightcyan"**,fg=**"black"**)  
 button2.place(x=150, y=200)  
 window.mainloop()  
  
 func3()  
 *#for Searchbook* **def** func():  
 window = Tk()  
 window.title(**'Search Books'**)  
 window.geometry(**'500x500'**)  
 window.config(highlightbackground=**'black'**)  
 book = tk.StringVar()  
  
 Label(window, text=**'Book'**).place(x=50, y=60)  
 Label(window, text=**'Author'**).place(x=50, y=100)  
 Label(window, text=**'Row'**).place(x=50, y=130)  
 Label(window, text=**'Column'**).place(x=50, y=160)  
 Label(window, text=**'Copies'**).place(x=50, y=190)  
  
 book = Entry(window)  
 book.place(x=250, y=60)  
 author = Entry(window)  
 author.place(x=250, y=100)  
 ro = Entry(window)  
 ro.place(x=250, y=130)  
 column = Entry(window)  
 column.place(x=250, y=160)  
 copies = Entry(window)  
 copies.place(x=250, y=190)  
  
 author.configure(state=tk.DISABLED)  
 ro.configure(state=tk.DISABLED)  
 column.configure(state=tk.DISABLED)  
 copies.configure(state=tk.DISABLED)  
  
 **def** search():  
 search\_book = book.get()  
 author.configure(state=tk.NORMAL)  
 ro.configure(state=tk.NORMAL)  
 column.configure(state=tk.NORMAL)  
 copies.configure(state=tk.NORMAL)  
  
 author.delete(0, **'end'**)  
 ro.delete(0, **'end'**)  
 column.delete(0, **'end'**) *# to clear previous displayed data* copies.delete(0, **'end'**)  
  
 file = csv.reader(open(**'C:/Users/NITHIN M C/PycharmProjects/my project/bookinfo.csv'**, **'r'**))  
  
 **for** row **in** file:  
 **if** row[0] == str(search\_book):  
 author.insert(0, row[1])  
 ro.insert(0, row[2])  
 column.insert(0, row[3])  
 copies.insert(0, row[4])  
  
 author.configure(state=tk.DISABLED)  
 ro.configure(state=tk.DISABLED)  
 column.configure(state=tk.DISABLED)  
 copies.configure(state=tk.DISABLED)  
  
 Button(window, text=**'search'**, command=search,bg=**"gold"**, fg=**"black"**).place(x=100, y=300)  
 Button(window, text=**'Issue book'**, command=fun5,bg=**"lightcyan"**, fg=**"black"**).place(x=350, y=300)  
 *#for Add books* **def** fun6():  
 **def** func3():  
 window = Tk()  
 window.title(**'Add Books'**)  
 window.geometry(**'500x500'**)  
  
 label1 = tk.Label(window, text=**'Book'**)  
 label1.grid(row=0, column=0)  
 label2 = tk.Label(window, text=**'Author'**)  
 label2.grid(row=1, column=0)  
 label3 = tk.Label(window, text=**'Row'**)  
 label3.grid(row=2, column=0)  
 label4 = tk.Label(window, text=**'Column'**)  
 label4.grid(row=3, column=0)  
 label5 = tk.Label(window, text=**'Copies'**)  
 label5.grid(row=4, column=0)  
  
 textbox1 = tk.Entry(window)  
 textbox1.grid(row=0, column=1)  
 textbox2 = tk.Entry(window)  
 textbox2.grid(row=1, column=1)  
 textbox3 = tk.Entry(window)  
 textbox3.grid(row=2, column=1)  
 textbox4 = tk.Entry(window)  
 textbox4.grid(row=3, column=1)  
 textbox5 = tk.Entry(window)  
 textbox5.grid(row=4, column=1)  
  
 **def** add():  
 add\_book = textbox1.get()  
 add\_author = textbox2.get()  
 add\_row = textbox3.get()  
 add\_column = textbox4.get()  
 add\_copies = textbox5.get()  
 **if** (add\_book == **'' or** add\_author == **'' or** add\_copies == **''**):  
 messagebox.showerror(**'error'**, **'You forgot to enter something'**)  
  
 **else**:  
 *#messagebox.askyesno('conformation', 'Do you want save the details?')* **with** open(**'C:/Users/NITHIN M C/PycharmProjects/my project/bookinfo.csv'**,  
 **'a'**) **as** file:  
 writer = csv.writer(file)  
 writer.writerow([add\_book, add\_author, add\_row, add\_column, add\_copies])  
 file.close()  
  
 **def** clear():  
 add\_book = textbox1.get()  
 add\_author = textbox2.get()  
 add\_row = textbox3.get()  
 add\_column = textbox4.get()  
 add\_copies = textbox5.get()  
  
 textbox1.delete(0, END)  
 textbox2.delete(0, END)  
 textbox3.delete(0, END)  
 textbox4.delete(0, END)  
 textbox5.delete(0, END)  
  
 button1 = tk.Button(window, command=add, text=**'Save'**,bg=**"gold"**, fg=**"black"**)  
 button2 = tk.Button(window, command=clear, text=**'Clear All'**,bg=**"lightcyan"**, fg=**"black"**)  
 button1.place(x=50, y=200)  
 button2.place(x=150, y=200)  
 window.mainloop()  
  
 func3()  
 *#for student login* **def** fun():  
 **def** ok():  
 username = e1.get()  
 password = e2.get()  
  
 csv\_file = csv.reader(  
 open(**"C:/Users/NITHIN M C/PycharmProjects/my project/s.deatails.csv"**, **"r"**))  
 **for** line **in** csv\_file:  
 **if** username == line[0] **and** password == line[1]:  
 button3 = Button(win, text=**"Go to Next Pg"**, font=(**"Copperplate Gothic Bold"**, 17, **"bold"**), width=15,  
 bg=**"lawngreen"**,  
 fg=**"black"**, command=**lambda**: show\_frame(frame6)).place(x=200, y=450)  
 *#messagebox.showinfo("admin", "u have successfully logined")* win = Tk()  
 win.title(**"Student Login"**)  
 win.config(bg=**"powder blue"**)  
 win.geometry(**"500x500"**)  
 **global** e1  
 **global** e2  
 Label(win, text=**"Username"**).place(x=10, y=10)  
 Label(win, text=**"Password"**).place(x=10, y=40)  
 e1 = Entry(win)  
 e1.place(x=140, y=10)  
 e2 = Entry(win)  
 e2.place(x=140, y=40)  
 e2.config(show=**"\*"**)  
  
 button1 = Button(win, text=**"Login"**, command=ok, bg=**"gold"**, fg=**"black"**)  
 button1.place(x=100, y=100)  
 button2 = Button(win, text=**"Click to exit"**, bg=**"red"**, fg=**"black"**, command=win.destroy)  
 button2.place(x=200, y=100)  
 win.mainloop()  
 *#for Admin Login* **def** fun1():  
 **def** ok():  
 username = e1.get()  
 password = e2.get()  
  
 csv\_file = csv.reader(  
 open(**"C:/Users/NITHIN M C/PycharmProjects/my project/Admin Login Details.csv"**, **"r"**))  
 **for** line **in** csv\_file:  
 **if** username == line[0] **and** password == line[1]:  
 button3 = Button(win, text=**"Go to Next Pg"**, font=(**"Copperplate Gothic Bold"**, 17, **"bold"**), width=15,  
 bg=**"lawngreen"**,  
 fg=**"black"**, command=**lambda**: show\_frame(frame5)).place(x=200, y=450)  
 *#messagebox.showinfo("admin", "u have successfully logined")* win = Tk()  
 win.title(**"Admin Login"**)  
 win.config(bg=**"powder blue"**)  
 win.geometry(**"500x500"**)  
 **global** e1  
 **global** e2  
 Label(win, text=**"Username"**).place(x=10, y=10)  
 Label(win, text=**"Password"**).place(x=10, y=40)  
 e1 = Entry(win)  
 e1.place(x=140, y=10)  
 e2 = Entry(win)  
 e2.place(x=140, y=40)  
 e2.config(show=**"\*"**)  
  
 button1 = Button(win, text=**"Login"**, command=ok, bg=**"gold"**, fg=**"black"**)  
 button1.place(x=100, y=100)  
 button2 = Button(win, text=**"Click to exit"**, bg=**"red"**, fg=**"black"**, command=win.destroy)  
 button2.place(x=200, y=100)  
 win.mainloop()  
 *#for faculty Login* **def** fun3():  
 **def** ok():  
 username = e1.get()  
 password = e2.get()  
  
 csv\_file = csv.reader(  
 open(**"C:/Users/NITHIN M C/PycharmProjects/my project/staff login details.csv"**, **"r"**))  
 **for** line **in** csv\_file:  
 **if** username == line[0] **and** password == line[1]:  
 button3 = Button(win, text=**"Go to Next Pg"**, font=(**"Copperplate Gothic Bold"**, 17, **"bold"**), width=15,  
 bg=**"lawngreen"**,  
 fg=**"black"**, command=**lambda**: show\_frame(frame7)).place(x=200, y=450)  
 *#messagebox.showinfo("admin", "u have successfully logined")* win = Tk()  
 win.title(**"Faculty Login"**)  
 win.config(bg=**"powder blue"**)  
 win.geometry(**"500x500"**)  
 **global** e1  
 **global** e2  
 Label(win, text=**"Username"**).place(x=10, y=10)  
 Label(win, text=**"Password"**).place(x=10, y=40)  
 e1 = Entry(win)  
 e1.place(x=140, y=10)  
 e2 = Entry(win)  
 e2.place(x=140, y=40)  
 e2.config(show=**"\*"**)  
  
 button1 = Button(win, text=**"Login"**, command=ok, bg=**"gold"**, fg=**"black"**)  
 button1.place(x=100, y=100)  
 button2 = Button(win, text=**"Click to exit"**, bg=**"red"**, fg=**"black"**, command=win.destroy)  
 button2.place(x=200, y=100)  
 win.mainloop()  
 *#for delete books* **def** delete\_book():  
 **def** deleting():  
 Bookname = bookname.get()  
  
 lines = list()  
 *# bookname=input("please enter the book name to be deleted")* **with** open(**"C:/Users/NITHIN M C/PycharmProjects/my project/bookinformation.csv"**, **'r'**) **as** readfile:  
 reader = csv.reader(readfile)  
 **for** row **in** reader:  
 lines.append(row)  
 **for** field **in** row:  
 **if** field == Bookname:  
 lines.remove(row)  
 **with** open(**"C:/Users/NITHIN M C/PycharmProjects/my project/bookinformation.csv"**, **'w'**) **as** writefile:  
 writer = csv.writer(writefile)  
 writer.writerows(lines)  
  
 root = Tk()  
 root.title(**"Delete Books"**)  
 root.geometry(**"300x200"**)  
 **global** bookname  
 Label(root, text=**"book name"**).place(x=10, y=10)  
  
 bookname = Entry(root)  
 bookname.place(x=140, y=10)  
 button = Button(root, text=**"Click to delete"**, command=deleting, bg=**"gold"**, fg=**"black"**)  
 button.place(x=50, y=50)  
 button1 = Button(root, text=**"Exit"**, command=root.destroy, bg=**"red"**, fg=**"black"**)  
 button1.place(x=200, y=50)  
 root.mainloop()  
 *#for return books* **def** return\_book():  
 **def** deleting():  
 Bookname = bookname.get()  
 lines = list()  
 **with** open(**"C:/Users/NITHIN M C/PycharmProjects/my project/issue1.csv"**, **'r'**) **as** readfile:  
 reader = csv.reader(readfile)  
 **for** row **in** reader:  
 lines.append(row)  
 **for** field **in** row:  
 **if** field == Bookname:  
 lines.remove(row)  
 **with** open(**"C:/Users/NITHIN M C/PycharmProjects/my project/issue1.csv"**, **'w'**) **as** writefile:  
 writer = csv.writer(writefile)  
 writer.writerows(lines)  
  
 root = Tk()  
 root.title(**"Return Books"**)  
 root.geometry(**"300x200"**)  
 **global** bookname  
 Label(root, text=**"book name"**).place(x=10, y=10)  
  
 bookname = Entry(root)  
 bookname.place(x=140, y=10)  
 button = Button(root, text=**"click to return"**, command=deleting, bg=**"gold"**, fg=**"black"**)  
 button.place(x=50, y=50)  
 button1 = Button(root, text=**"Exit"**, command=root.destroy, bg=**"red"**, fg=**"black"**)  
 button1.place(x=200, y=50)  
 root.mainloop()  
 *#for issue books* **def** issued():  
 win = Tk()  
 win.title(**"Issued Booklist"**)  
 win.geometry(**"500x500"**)  
 TableMargin = Frame(win, width=400)  
 TableMargin.pack(side=TOP)  
 scrollbarx = Scrollbar(TableMargin, orient=HORIZONTAL)  
 scrollbary = Scrollbar(TableMargin, orient=VERTICAL)  
 tree = ttk.Treeview(TableMargin, columns=(**"book"**), height=22, selectmode=**"extended"**,  
 yscrollcommand=scrollbary.set, xscrollcommand=scrollbarx.set)  
 scrollbary.config(command=tree.yview)  
 scrollbary.pack(side=RIGHT, fill=Y)  
 scrollbarx.config(command=tree.xview)  
 scrollbarx.pack(side=BOTTOM, fill=X)  
 tree.heading(**'book'**, text=**"Book"**, anchor=W)  
 tree.column(**'#0'**, stretch=NO, minwidth=100, width=0)  
 tree.pack()  
 **with** open(**'C:/Users/NITHIN M C/PycharmProjects/my project/issue1.csv'**) **as** f:  
 reader = csv.DictReader(f, delimiter=**','**)  
 **for** row **in** reader:  
 book = row[**'book'**]  
 tree.insert(**""**, 0, values=(book))  
 win.mainloop()  
 *#for Student anf faculty Total history* **def** S\_history():  
 win = Tk()  
 win.title(**"History"**)  
 win.geometry(**"500x500"**)  
 TableMargin = Frame(win, width=1000)  
 TableMargin.pack(side=TOP)  
 scrollbarx = Scrollbar(TableMargin, orient=HORIZONTAL)  
 scrollbary = Scrollbar(TableMargin, orient=VERTICAL)  
 tree = ttk.Treeview(TableMargin, columns=(**"book"**, **"username"**, **"date"**), height=22, selectmode=**"extended"**,  
 yscrollcommand=scrollbary.set, xscrollcommand=scrollbarx.set)  
 scrollbary.config(command=tree.yview)  
 scrollbary.pack(side=RIGHT, fill=Y)  
 scrollbarx.config(command=tree.xview)  
 scrollbarx.pack(side=BOTTOM, fill=X)  
 tree.heading(**'book'**, text=**"Book"**, anchor=W)  
 tree.heading(**'username'**, text=**"Username"**, anchor=W)  
 tree.heading(**'date'**, text=**"Date of Issue"**, anchor=W)  
 tree.column(**'#0'**, stretch=NO, minwidth=0, width=0)  
 tree.column(**'#0'**, stretch=NO, minwidth=0, width=0)  
 tree.column(**'#0'**, stretch=NO, minwidth=0, width=0)  
 tree.pack()  
 **with** open(**'C:/Users/NITHIN M C/PycharmProjects/my project/issue1.csv'**) **as** f:  
 reader = csv.DictReader(f, delimiter=**','**)  
 **for** row **in** reader:  
 book = row[**'book'**]  
 username = row[**'username'**]  
 date = row[**'date'**]  
 tree.insert(**""**, 0, values=(book, username, date))  
 win.mainloop()  
 *#for Faculty and Student Myhistory* **def** Myhistory():  
 win = tk.Tk()  
 win.title(**"My History"**)  
 win.geometry(**'500x500'**)  
 label = Label(win, text=**'Username'**)  
 label.place(x=150, y=100)  
 textbox = Entry(win)  
 textbox.place(x=250, y=100)  
 file = csv.reader(open(**'C:/Users/NITHIN M C/PycharmProjects/my project/history.csv'**, **'r'**))  
 mylist = []  
 **for** row **in** file:  
 mylist.append(row)  
  
 **def** history():  
 win1 = tk.Tk()  
 win1.title(**"My History"**)  
 win1.geometry(**'700x500'**)  
 columns = (**'#1'**, **'#2'**, **'#3'**)  
 tree = ttk.Treeview(win1, columns=columns, show=**'headings'**)  
 tree.heading(**'#1'**, text=**'Book'**)  
 tree.heading(**'#2'**, text=**'Username'**)  
 tree.heading(**'#3'**, text=**'Date'**)  
 username = textbox.get()  
 **with** open(**'C:/Users/NITHIN M C/PycharmProjects/my project/history.csv'**, **'r'**) **as** f:  
 reader = csv.reader(f, delimiter=**','**)  
 *# for row in reader:* **for** i **in** range(len(mylist)):  
 **if** (str(username) == mylist[i][1]):  
 t = mylist[i]  
 **else**:  
 i = i + 1  
 tree.insert(**''**, tk.END, values=t)  
  
 tree.pack(side=TOP)  
 scrollbar = ttk.Scrollbar(win1, orient=tk.VERTICAL, command=tree.yview)  
 tree.configure(yscroll=scrollbar.set)  
 scrollbar.pack(side=RIGHT, fill=Y)  
  
 button = Button(win, bg=**"gold"**, fg=**"black"**, text=**"My History"**, command=history)  
 button.place(x=200, y=200)  
  
 win.mainloop()  
  
 *# Frame1 Home pg* frame1\_title = Label(frame1, text=**"JNTUA\nLIBRARY MANAGEMENT SYSTEM"**, bg=**"pink"**, fg=**"black"**, bd=20, relief=RIDGE,  
 font=(**"Footlight MT Light"**, 45, **"bold"**), padx=230, pady=8)  
 frame1\_title.pack(side=TOP, fill=**"x"**)  
 frame1\_bt1 = Button(frame1, text=**"ADMIN\nLOGIN"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=20,  
 bg=**"paleturquoise"**, fg=**"black"**, command=fun1)  
 frame1\_bt1.place(x=500, y=250)  
 frame1\_bt2 = Button(frame1, text=**"STUDENT\nLOGIN"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=20,  
 bg=**"paleturquoise"**, fg=**"black"**, command=fun)  
 frame1\_bt2.place(x=500, y=350)  
 frame1\_bt3 = Button(frame1, text=**"FACULTY\nLOGIN"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=20,  
 bg=**"paleturquoise"**, fg=**"black"**, command=fun3)  
 frame1\_bt3.place(x=500, y=450)  
 frame1\_bt4 = Button(frame1, text=**"Exit"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=win.destroy)  
 frame1\_bt4.place(x=1230, y=590, width=100, height=75)  
 frame1\_bt5 = Button(frame1, text=**"Go Back"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=**lambda**: show\_frame(frame1))  
 frame1\_bt5.place(x=20, y=590, width=120, height=75)  
 show\_frame(frame1)  
  
 e1 = Entry(frame3)  
 e1.place(x=140, y=10)  
 Password = StringVar()  
 e2 = Entry(frame3)  
 e2.place(x=600, y=300)  
  
  
 *# frame5 Admin dashboard* frame5\_title = Label(frame5, text=**"ADMIN DASHBOARD"**, bg=**"lightblue"**, fg=**"white"**, bd=20, relief=RIDGE,  
 font=(**"Footlight MT Light"**, 40, **"bold"**), padx=2, pady=6).pack()  
 frame5\_bt6 = Button(frame5, text=**"SHOW BOOKLIST"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=**lambda**: show\_frame(frame9)).place(x=200, y=200)  
 frame5\_bt1 = Button(frame5, text=**"ADD BOOKS"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=fun6).place(x=200, y=300)  
 frame5\_bt3 = Button(frame5, text=**"SEARCH BOOKS"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=func).place(x=200, y=400)  
 frame5\_bt4 = Button(frame5, text=**"ISSUED BOOKS"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=issued).place(x=800, y=300)  
 frame5\_bt5 = Button(frame5, text=**"RETURN BOOKS"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=return\_book).place(x=800, y=200)  
 frame5\_bt7 = Button(frame5, text=**"DELETE BOOKS"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**, command=delete\_book).place(x=800, y=400)  
 frame5\_bt8 = Button(frame5, text=**"Log Out"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"purple"**,  
 fg=**"white"**, command=**lambda**: show\_frame(frame1)).place(x=800, y=500)  
 frame5\_bt9 = Button(frame5, text=**"Go Back"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=**lambda**: show\_frame(frame1))  
 frame5\_bt9.place(x=20, y=590, width=120, height=75)  
  
 *# frame6 student dashboard* frame6\_title = Label(frame6, text=**"STUDENT DASHBOARD"**, bg=**"lightblue"**, fg=**"white"**, bd=20, relief=RIDGE,  
 font=(**"Footlight MT Light"**, 40, **"bold"**), padx=2, pady=6, ).pack()  
 frame6\_bt1 = Button(frame6, text=**"VIEW TOTAL HISTORY"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=20, bg=**"pink"**,  
 fg=**"black"**, command=S\_history).place(x=200, y=250)  
 frame6\_bt4 = Button(frame6, text=**"VIEW MY HISTORY"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"pink"**,  
 fg=**"black"**,command=Myhistory).place(x=700, y=250)  
 frame6\_bt3 = Button(frame6, text=**"Go Back"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=**lambda**: show\_frame(frame1))  
 frame6\_bt3.place(x=20, y=590, width=120, height=75)  
 frame6\_bt2 = Button(frame6, text=**"Log Out"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"purple"**,  
 fg=**"white"**, command=**lambda**: show\_frame(frame1)).place(x=500, y=350)  
  
 *# frame7 faculty dashboard* frame7\_title = Label(frame7, text=**"FACULTY DASHBOARD"**, bg=**"lightblue"**, fg=**"white"**, bd=20, relief=RIDGE,  
 font=(**"Footlight MT Light"**, 40, **"bold"**), padx=2, pady=6, ).pack()  
 frame6\_bt1 = Button(frame7, text=**"VIEW TOTAL HISTORY"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=20,  
 bg=**"pink"**,  
 fg=**"black"**, command=S\_history).place(x=200, y=250)  
 frame6\_bt4 = Button(frame7, text=**"VIEW MY HISTORY"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15,  
 bg=**"pink"**,fg=**"black"**,command=Myhistory).place(x=700, y=250)  
 frame7\_bt3 = Button(frame7, text=**"Go Back"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=**lambda**: show\_frame(frame1))  
 frame7\_bt3.place(x=20, y=590, width=120, height=75)  
 frame7\_bt2 = Button(frame7, text=**"Log Out"**, font=(**"Copperplate Gothic Bold"**, 20, **"bold"**), width=15, bg=**"purple"**,  
 fg=**"white"**, command=**lambda**: show\_frame(frame1)).place(x=500, y=350)  
  
  
  
 *# frame 9 Booklist* frame9\_title = Label(frame9, text=**"Total BookList"**, bg=**"pink"**, fg=**"black"**, bd=20, relief=RIDGE,  
 font=(**"Copperplate Gothic Bold"**, 25, **"bold"**), padx=60, pady=10).pack()  
 frame9\_bt1 = Button(frame9, text=**"Go Back"**, bd=10, bg=**"purple"**, fg=**"white"**, font=(**"Footlight MT Light"**, 20, **"bold"**),  
 command=**lambda**: show\_frame(frame5))  
 frame9\_bt1.place(x=20, y=590, width=120, height=75)  
  
 *# for Total booklist* TableMargin = Frame(frame9, width=400)  
 TableMargin.pack(side=TOP)  
 scrollbarx = Scrollbar(TableMargin, orient=HORIZONTAL)  
 scrollbary = Scrollbar(TableMargin, orient=VERTICAL)  
 tree = ttk.Treeview(TableMargin, columns=(**"book"**, **"author"**, **"ro"**, **"column"**, **"copies"**), height=22,  
 selectmode=**"extended"**,  
 yscrollcommand=scrollbary.set, xscrollcommand=scrollbarx.set)  
 scrollbary.config(command=tree.yview)  
 scrollbary.pack(side=RIGHT, fill=Y)  
 scrollbarx.config(command=tree.xview)  
 scrollbarx.pack(side=BOTTOM, fill=X)  
 tree.heading(**'book'**, text=**"Book"**, anchor=W)  
 tree.heading(**'author'**, text=**"Author"**, anchor=W)  
 tree.heading(**'ro'**, text=**"Row"**, anchor=W)  
 tree.heading(**'column'**, text=**"Column"**, anchor=W)  
 tree.heading(**'copies'**, text=**"Copies"**, anchor=W)  
 tree.column(**'#0'**, stretch=NO, minwidth=0, width=0)  
 tree.column(**'#1'**, stretch=NO, minwidth=0, width=250)  
 tree.column(**'#2'**, stretch=NO, minwidth=0, width=200)  
 tree.column(**'#3'**, stretch=NO, minwidth=0, width=200)  
 tree.column(**'#4'**, stretch=NO, minwidth=0, width=200)  
 tree.pack()  
 **with** open(**'bookinfo.csv'**) **as** f:  
 reader = csv.DictReader(f, delimiter=**','**)  
 **for** row **in** reader:  
 book = row[**'book'**]  
 author = row[**'author'**]  
 ro = row[**'ro'**]  
 column = row[**'column'**]  
 copies = row[**'copies'**]  
 tree.insert(**""**, 0, values=(book, author, ro, column, copies))  
 win.mainloop()  
LibraryManagementsystem()