This is a demonstration of my GUI.

First it asks you if you would like to schedule an appointment with the housekeeper. You then type ‘yes’ to schedule.

A screen shot of a computer

Description automatically generated

Then it opens a calendar where you input the year. In this case it is 2024

A screenshot of a computer program

Description automatically generated

When you type 2024 it shows you the calendar

A screenshot of a computer

Description automatically generated

Then it looks like the only available dates are 2/2/24/ and 7/8/24. A GUI message pops up to tell you that.

A screenshot of a computer screen

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Now you use another GUI to select the date you want

A screenshot of a computer

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Here is the code used

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Assignemnt: final project

Short description: import gui to create housekeeping schedule ."""

#type yes or no to schedule an appointment

print ("Would you like to schedule an appointment with housekeeping?")

valid\_response = False

while not valid\_response:

    response = input("Enter 'yes' or 'no': ")

    if response.lower() == 'yes' or response.lower() == 'no':

        valid\_response = True

    else:

        print("Invalid response. Please enter 'yes' or 'no'.")

from tkinter import \*

#import tkinter

#import calendar from python

import calendar

def showCal() :

   #create new gui

    new\_gui = Tk()

 #create size of gui calendar

    new\_gui.geometry("600x600")

     # create background color

    new\_gui.config(background = "black")

    #title calendar

    new\_gui.title("HOUSEKEEPING CALENDAR")

    #insert year

    fetch\_year = int(year\_field.get())

    #create calendar with year

    cal\_content = calendar.calendar(fetch\_year)

      #create calendar with font

    cal\_year = Label(new\_gui, text = cal\_content, font = "Consolas 10 bold")

   #create grid

    cal\_year.grid(row = 5, column = 1, padx = 20)

  #loop

    new\_gui.mainloop()

if \_\_name\_\_ == "\_\_main\_\_" :

    gui = Tk()

    gui.config(background = "black")

    gui.title(" HOUSEKEEPING CALENDAR")

    gui.geometry("250x140")

    #colors and fonts

    cal = Label(gui, text = "CALENDAR", bg = "dark gray",

                            font = ("times", 28, 'bold'))

    year = Label(gui, text = "Enter Year", bg = "light blue")

    year\_field = Entry(gui)

    Show = Button(gui, text = "Show Calendar", fg = "Black",

                              bg = "Red", command = showCal)

    Exit = Button(gui, text = "Exit", fg = "Black", bg = "Red", command = exit)

     #size of grids

    cal.grid(row = 1, column = 1)

    year.grid(row = 2, column = 1)

    year\_field.grid(row = 3, column = 1)

    Show.grid(row = 4, column = 1)

    Exit.grid(row = 6, column = 1)

    gui.mainloop()

    from tkinter import \*

    #this is to create a message GUI

main = Tk()

ourMessage ='Our available dates are 2/2/24 or 7/8/24'

messageVar = Message(main, text = ourMessage)

messageVar.config(bg='lightgreen')

messageVar.pack( )

main.mainloop( )

# this creates a check button GUI

from tkinter import \*

master = Tk()

var1 = IntVar()

Checkbutton(master, text='2/2/24', variable=var1).grid(row=0, sticky=W)

var2 = IntVar()

Checkbutton(master, text='7/8/24', variable=var2).grid(row=1, sticky=W)

mainloop()

print ("Thank you for choosing a date that is suitable for you")