Design Document

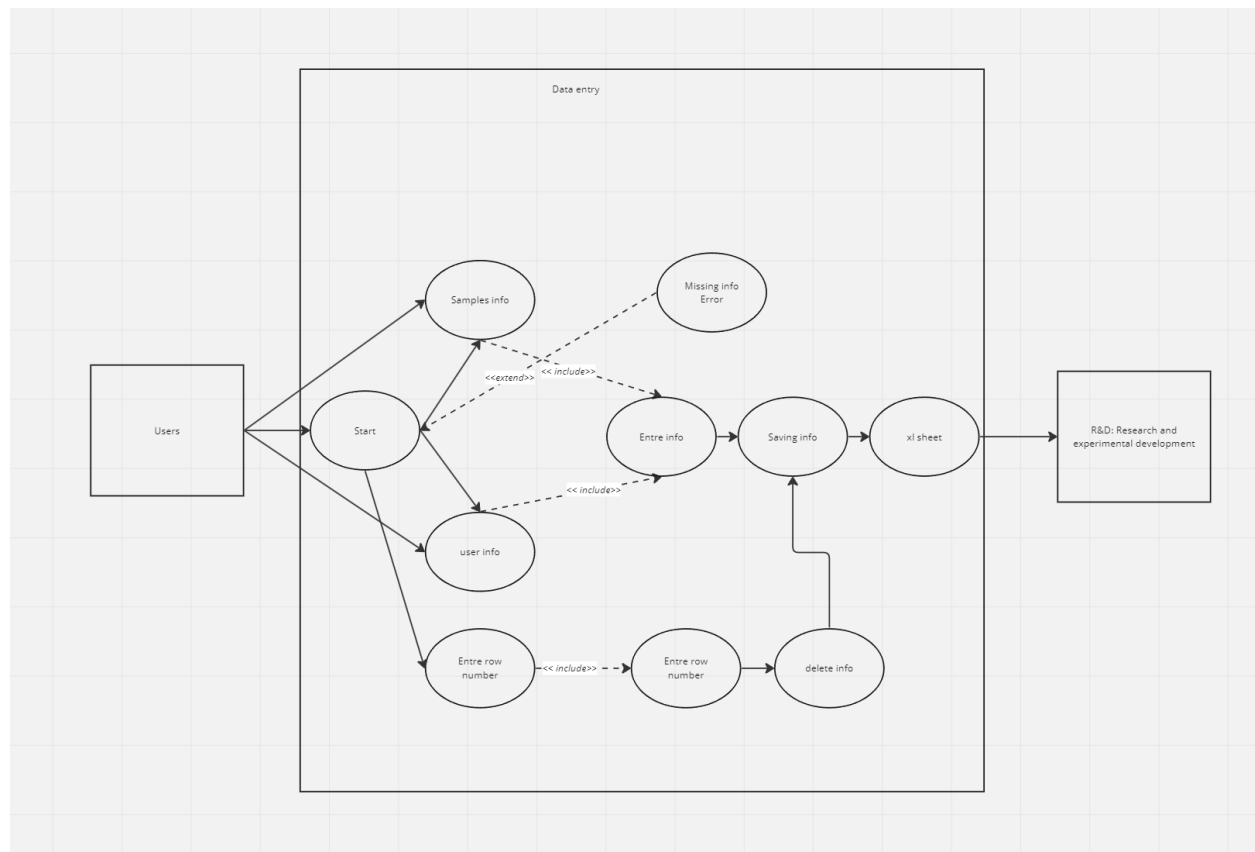Project Idea: Chambers Data Entry Form

Link:

This project it,s going to help us to keep track are samples inside the chambers by entering the data into an Excel sheet and deleting the data from the Excel sheet easily
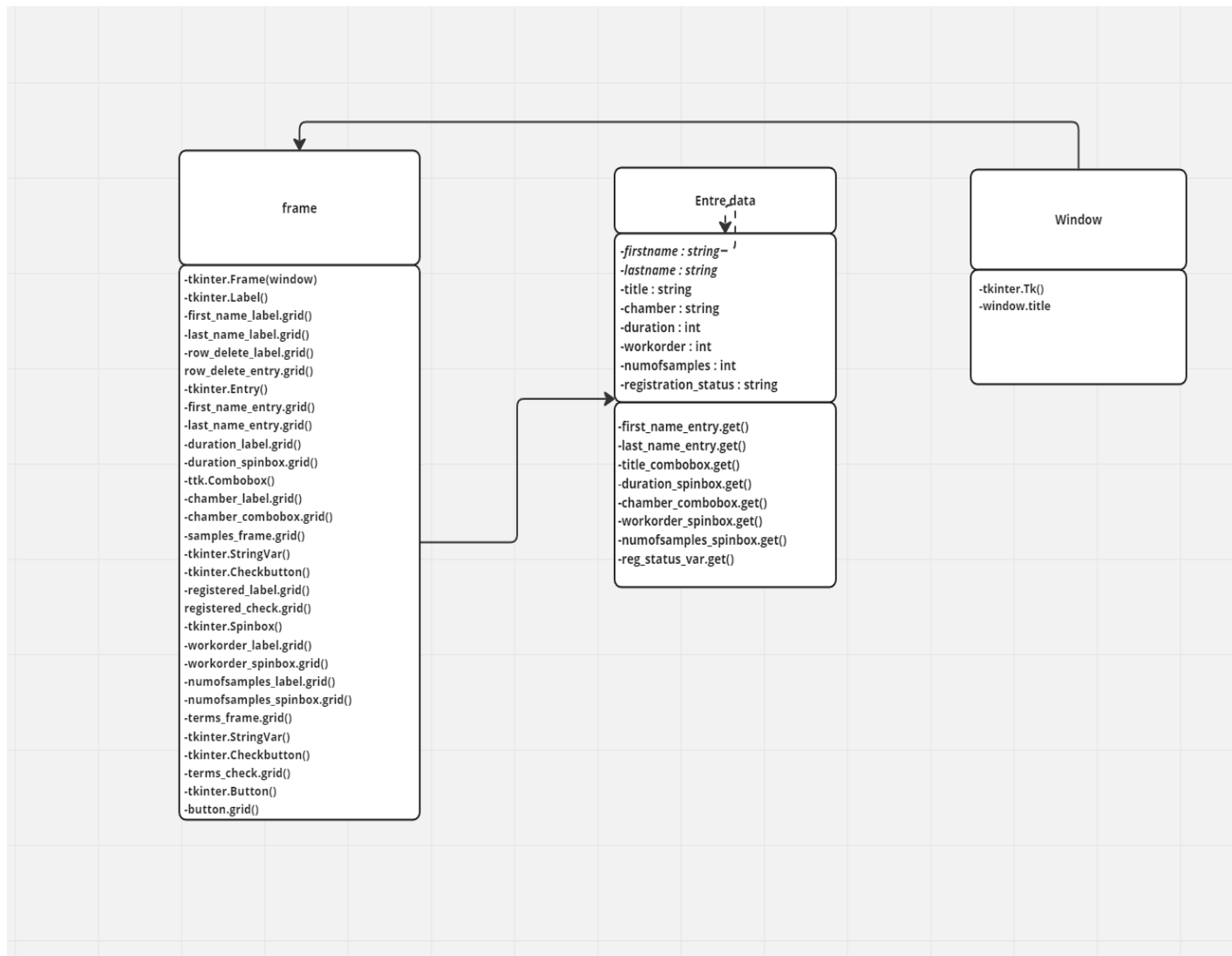*I work at a solar company we do a bunch of testing trying to figure out the endurance, stability, and practicality of equipment, products, and chemicals. To do that we use a test chamber in a managed and controlled environment. These chambers allow for accelerated weathering testing of material samples by combining exposure to light energy irradiation, temperature, humidity*
The goal is to find out how long this material can last in the long term.

UML Diagram:

UML Class Diagram:

frame

-tkinter.Frame(window)
-tkinter.Label()
-first_name_label.grid()
-last_name_label.grid()
-row_delete_label.grid()
row_delete_entry.grid()
-tkinter.Entry()
-first_name_entry.grid()
-last_name_entry.grid()
-duration_label.grid()
-duration_spinbox.grid()
-ttk.Combobox()
-chamber_label.grid()
-chamber_combobox.grid()
-samples_frame.grid()
-tkinter.StringVar()
-tkinter.Checkbutton()
-registered_label.grid()
registered_check.grid()
-tkinter.Spinbox()
-workorder_label.grid()
-workorder_spinbox.grid()
-numofsamples_label.grid()
-numofsamples_spinbox.grid()
-terms_frame.grid()
-tkinter.StringVar()
-tkinter.Checkbutton()
-terms_check.grid()
-tkinter.Button()
-button.grid()

Entre_data

-*firstname : string*
-*lastname : string*
-title : string
-chamber : string
-duration : int
-workorder : int
-numofsamples : int
-registration_status : string

-first_name_entry.get()
-last_name_entry.get()
-title_combobox.get()
-duration_spinbox.get()
-chamber_combobox.get()
-workorder_spinbox.get()
-numofsamples_spinbox.get()
-reg_status_var.get()

Window

-tkinter.Tk()
-window.title

Chambers Data Entry Form:

Chambers Data Entry Form

User Information

First Name

Last Name

Title

Days Duration

0

Chamber

Registration Status

☐ Currently Registered

Work order number

0

Number of samples

0

Terms & Conditions

☐ I accept the terms and conditions.

Enter data

Chose a row

delete data