CS350 Safehome Project HW#4_Team3_Bug_Report

Team 4

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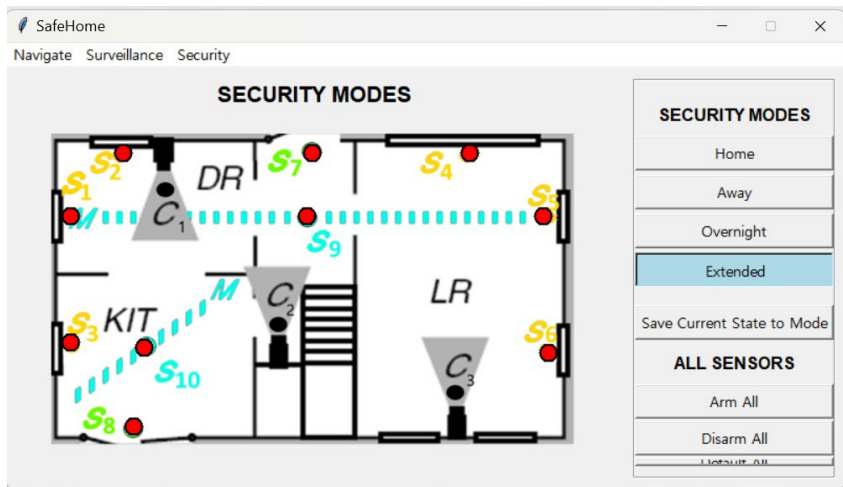20210623 Yeongjun Joo

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A. Web Browser UI

1. Incorrect Button Display

<Bug Description>

Error Case :
1. Open the frontend.
2. Enter your user ID and password and log in.
3. Select Security mode and enter your phone number.

Expected Result : Buttons should appear the same size and not cut off.
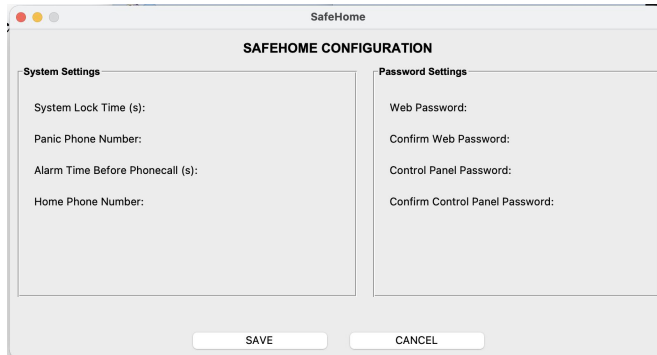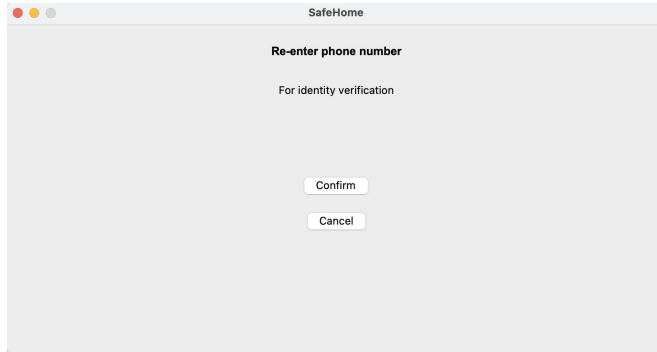
Actual Result : The button appears cut off

<Environment>
OS : Windows 11
Python version : 3.14.2
pip list result :

2. Text input fields are not visible

<Bug Description>

Error Case :
1. Launch the application on macOS
2. Navigate to any page with text input fields (e.g., configuration page)
3. Observe that text input fields are not visible on initial page load

Expected Result :
- Text input fields should be immediately visible with white background and border
- Users should be able to see and interact with input fields as soon as the page loads
- Behavior should be consistent across Window and macOS platforms

Actual Result :
- Text input fields are no visible when the page first loads on macOS
- Users cannot see where to type
- Input fields appear after clicking the submit button
- The same functionality works correctly on Windows

<Environment 1>
OS : macOS 26.0 (Tahoe),
Python version : 3.14.1
pip list result:

<Environment 2>
OS : macOS 15.6.1
Python version : 3.14.0
pip list result :

```
Package    Version
---------- -------
colorama   0.4.6
coverage   7.12.0
iniconfig  2.3.0
packaging  25.0
pillow     12.0.0
pip        25.3
pluggy     1.6.0
Pygments   2.19.2
pytest     9.0.1
```

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Package    Version
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colorama   0.4.6
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iniconfig  2.3.0
packaging  25.0
pillow     12.0.0
pip        25.3
pluggy     1.6.0
Pygments   2.19.2
pytest     9.0.1
```
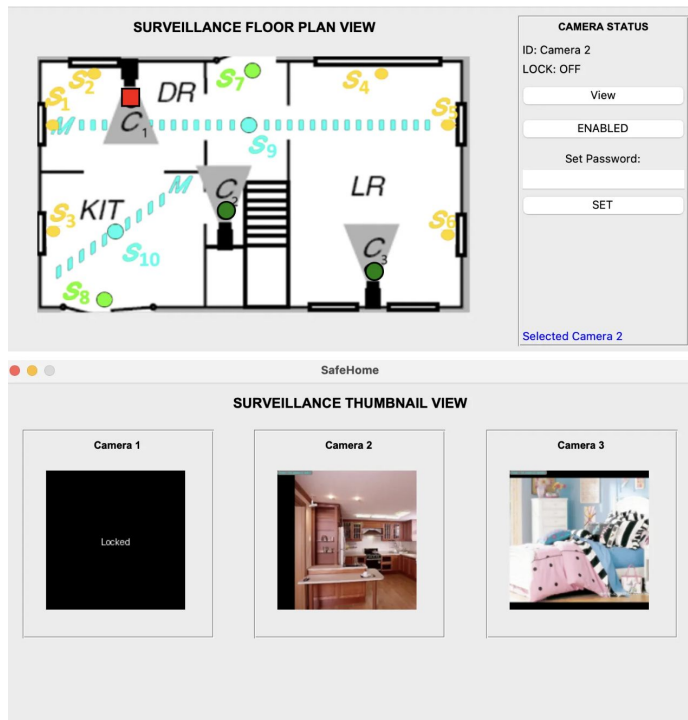
3. Disabled Camera Thumbnail

SURVEILLANCE FLOOR PLAN VIEW

CAMERA STATUS
ID: Camera 2
LOCK: OFF
View
ENABLED
Set Password:
SET
Selected Camera 2

SafeHome
SURVEILLANCE THUMBNAIL VIEW

Camera 1 | Camera 2 | Camera 3
Locked

<Bug Description>

Error Case :
1. Launch the application and log in
2. Navigate to Surveillance -> Floor Plan View
3. Select Camera -> Click the "DISABLED" button to disable the camera
4. Navigate to Surveillance -> Thumbnail View

Expected Result :
- Disabled Camera should display a black background with "Disabled" text
- The get_thumbnail_views() function should return the disabled placeholder image for cameras where camera.enabled == False

Actual Result :
- Disabled Camera still displays the actual camera thumbnail image
- Users cannot distinguish whether a camera is disabled or active from the Thumbnail View

<Environment>
OS : macOS 26.0 (Tahoe)
Python version : 3.14.1
pip list result :

Package	Version
colorama	0.4.6
coverage	7.12.0
iniconfig	2.3.0
packaging	25.0
pillow	12.0.0
pip	25.3
pluggy	1.6.0
Pygments	2.19.2
pytest	9.0.1

4. Unresponsive Zone Resize Handle

<Bug Description>

Error Case :
Zone resize handle is unresponsive in some case even it is visible

1. Move to [Security Zones]
2. Click [Add Security Zone]
3. Click added security zone, which represented as newly added blue rectangle on map
4. Click [DISARM]
5. Drag resize handle (white square at corner of each zone), nothing happens in UI and following error logged in console

Expected Result :
Zone resize handle must be responsive if it is visible

Actual Result :
It does not respond on drag action and error is printed to console
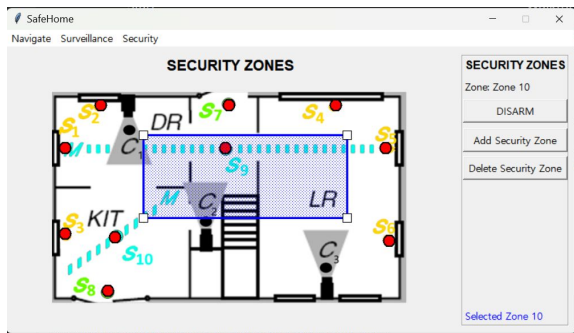
<Environment>
OS : Mac OS 15.6.1
Python version : 3.14.0
pip list result (screenshot)

Package	Version
colorama	0.4.6
coverage	7.12.0
iniconfig	2.3.0
packaging	25.0
pillow	12.0.0
pip	25.3
pluggy	1.6.0
Pygments	2.19.2
pytest	9.0.1

```
Exception in Tkinter callback
Traceback (most recent call last):
  File "/Library/Frameworks/Python.framework/Versions/3.14/lib/python3.14/tkinter/__init__.py", line 2082, in __call__
    return self.func(*args)
           ~~~~~~~~~^^^^^^^
  File "/Users/joon/Downloads/SafeHome-main/src/gui/gui_securityzone.py", line 310, in resize_drag
    rect = [r for r, n in self.zone_icons.items() if n == zone_name][0]
           ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^^^
IndexError: list index out of range
```

5. Inconsistent security zone UI across OS

<Bug Description>

Error Case :
Security zone UI is different in MacOS

1.Move to [Security Zones]
2.Click [Add Security Zone]

Expected Result :
UI representing security zone remains consistent across OS

Actual Result :
Rectangle is opaque in MacOS which blocks floor map behind
*Above image in left is screenshot in Windows 11.

<Environment>
OS : Mac OS 15.6.1
Python version : 3.14.0
pip list result (screenshot)

Package	Version
colorama	0.4.6
coverage	7.12.0
iniconfig	2.3.0
packaging	25.0
pillow	12.0.0
pip	25.3
pluggy	1.6.0
Pygments	2.19.2
pytest	9.0.1