

CS350 SafeHome Team 4 Bug Report submitted by Team 3

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1. Zoom status of camera is shared with all cameras

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

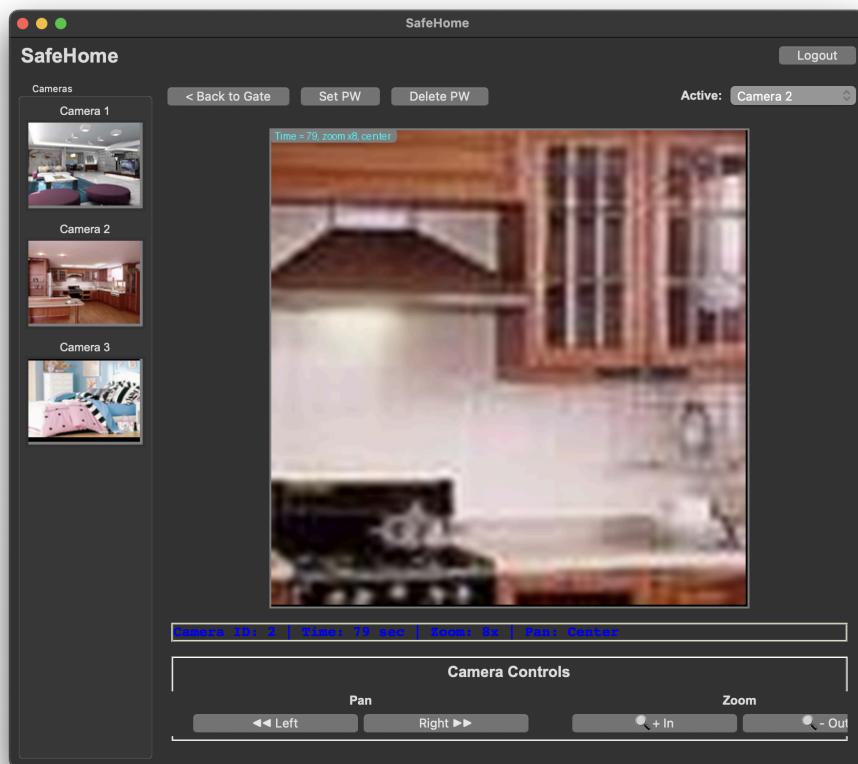
Steps

1. Open web app
2. Login as root
3. Click “Surveillance”
4. Activate specific camera
5. Change Zoom status
6. Activate different camera

Observed Failures

1. The zoom status is shared

Screenshots



References

- Team3 SRS (2007) V.3.b. Pan/Zoom specific camera view

2. Safety zone input validity check failure

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
 - Python 3.14.0

Steps

Observed Failures

1. The created safety zone does not show up in the list
 2. The saftey zone is not loaded after restart

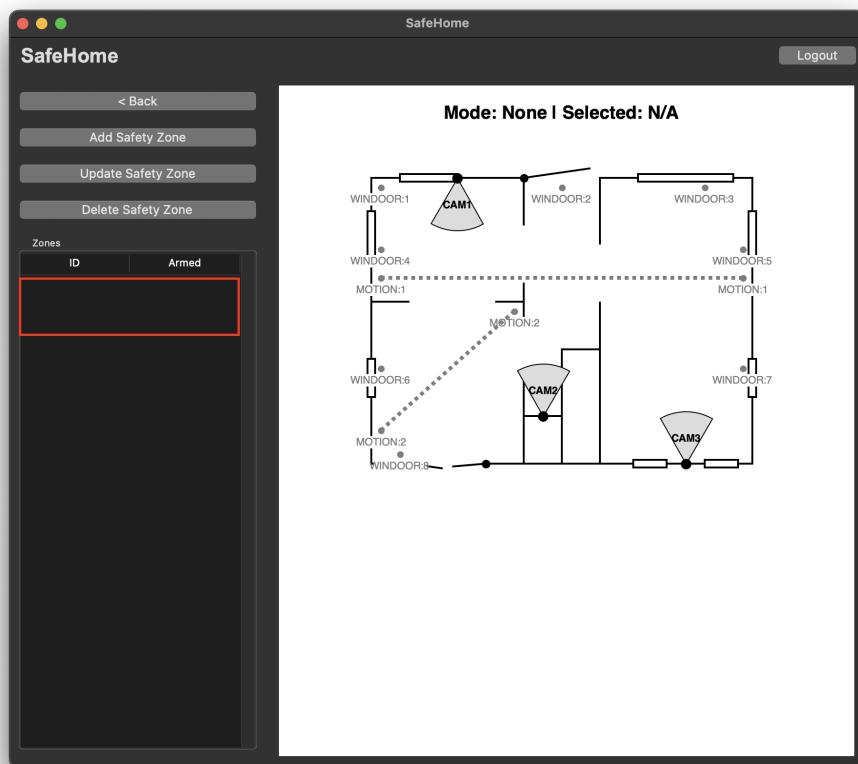
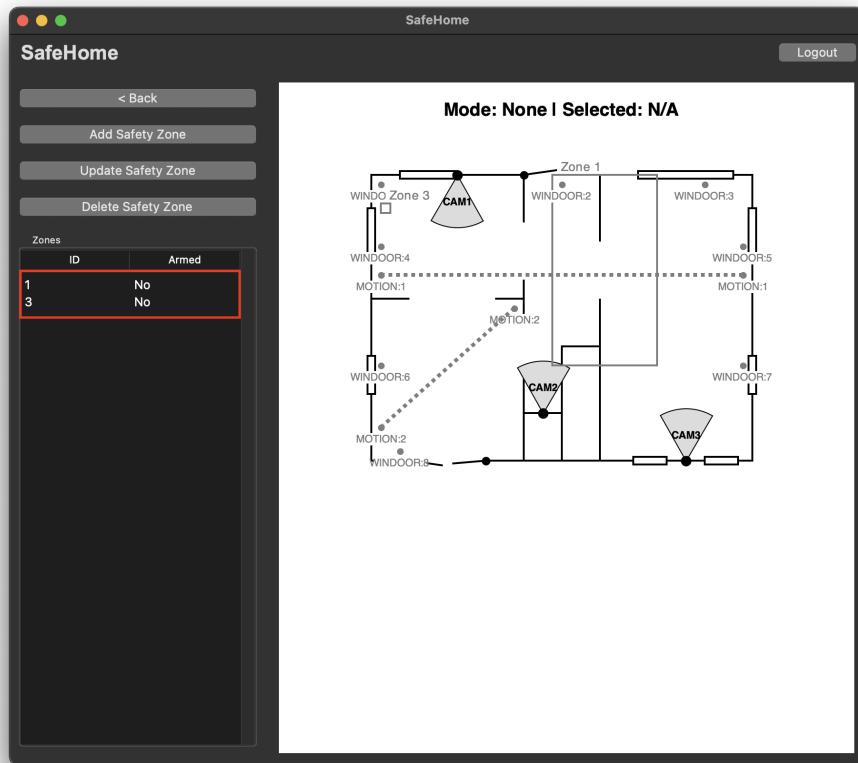
Log

```
2025-12-06 16:14:20.764 [ERROR] [ZoneClient] 1 validation error for Zone
min_x
  Unable to parse input string as an integer, exceeded maximum size [type=int_parsing_size,
  input_value=1e+20, input_type=float]
    For further information visit https://errors.pydantic.dev/2.12/v/int_parsing_size
Traceback (most recent call last):
  File
"/Users/youngdo/Downloads/CS350_hw3_team4/2025-swe-safehome-feat-minor/frontend/web/api_client/zone_
client.py", line 48, in get_zones
    zones = [Zone(**z) for z in response.json()["zones"]]
           ~~~~^~~~~^
  File
"/Users/youngdo/Downloads/CS350_hw3_team4/2025-swe-safehome-feat-minor/.venv/lib/python3.14/site-pac
kages/pydantic/main.py", line 250, in __init__
    validated_self = self.__pydantic_validator__.validate_python(data, self_instance=self)
pydantic_core._pydantic_core.ValidationError: 1 validation error for Zone
min_x
  Unable to parse input string as an integer, exceeded maximum size [type=int_parsing_size,
  input_value=1e+20, input_type=float]
    For further information visit https://errors.pydantic.dev/2.12/v/int_parsing_size
```

References

- Team3 SRS (2007) V.2.f. Create new safety zone

Screenshots



3. Camera password input validity check failure

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

Steps

1. Open web app
2. Login as root
3. Click “Surveillance”
4. Click “Set PW”
5. Set password with a string longer than 390 letters
 - a.aaa
aa
aaa
aaa
aaa
aaa
6. Click Save

Observed Failures

1. Shows “Password set successfully.” but it actually fails
 - Can still see the camera
 - clicking “Delete PW” shows error message
 - Error message: “No password set for this camera.”

References

- Team3 SRS (2007) V.3.c. Set camera password

4. Inconsistent surveillance camera pan level

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

Steps

1. Open web app
2. Login as root
3. Click “Surveillance”
4. Activate specific camera
5. Change camera pan level
6. Re-activate that camera after activating different camera

Observed Failures

1. camera pan level is not maintained

Notes

- The pan level is maintained between Gate and Surveillance

References

- Team3 SRS (2007) V.3.b. Pan/Zoom specific camera view

5. Setting password does not disable thumbnail view

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

Steps

1. Open web app
2. Login as root
3. Click "Surveillance"
4. Activate specific camera
5. Click "Set PW"
6. Set password and click "Save"

Observed Failures

1. The thumbnail view of locked camera is still displayed

Reference

- Team3 SRS(2007) V.3.e. View thumbnail Shots
 - "... displays thumbnail ... except the cameras with password"

6. Camera PW deletion failure

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

Steps

1. Open web app
2. Login as root
3. Click “Surveillance”
4. Activate specific camera
5. Click “Set PW”
6. Set password and click “Save”
7. Click “delete PW”

Observed Failures

1. The password is not deleted and camera is still locked

References

- Team3 SRS (2007) V.3.d. Delete camera password

7. Final Locked camera remains viewable and controllable

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
- Python 3.14.0

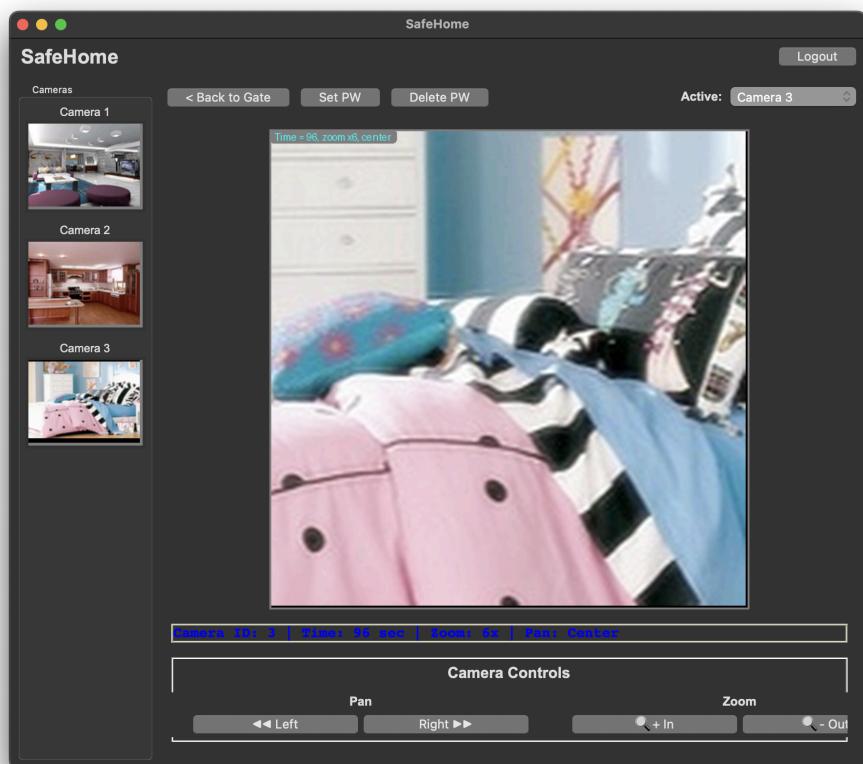
Steps

1. Open web app
2. Login as root
3. Click “Surveillance”
4. Activate specific camera
5. Click “Set PW”
6. Set password and click “Save”
7. Repeat 4~6 until all three cameras are locked
8. Click “< Back to Gate”
9. Click “Surveillance”

Observed Failures

1. The camera locked finally can be still viewed and panned/zoomed

Screenshots



References

- Team3 SRS (2007) V.3.a. Display Specific camera view
- Team3 SRS (2007) V.3.b. Pan/Zoom specific camera view

8. Cannot open locked camera

Tester : Youngdo Han

Environment

- macOS 15.6.1
 - Brew package: python-tk@3.14, python@3.14
 - Python 3.14.0

Steps

1. Open web app
 2. Login as root
 3. Click “Surveillance”
 4. Activate specific camera
 5. Click “Set PW”
 6. Set password and click “Save”
 7. Re-Activate that camera after activating different camera

Observed Failures

- ### 1. No password asking dialogue

Log

References

- Team3 SRS (2007) V.3.a. Display Specific camera view