

CS350 SafeHome Team 8 Bug Report submitted by Team 3

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1. Visual bug with the settings menu

Tester : Mohamed Elnakeeb

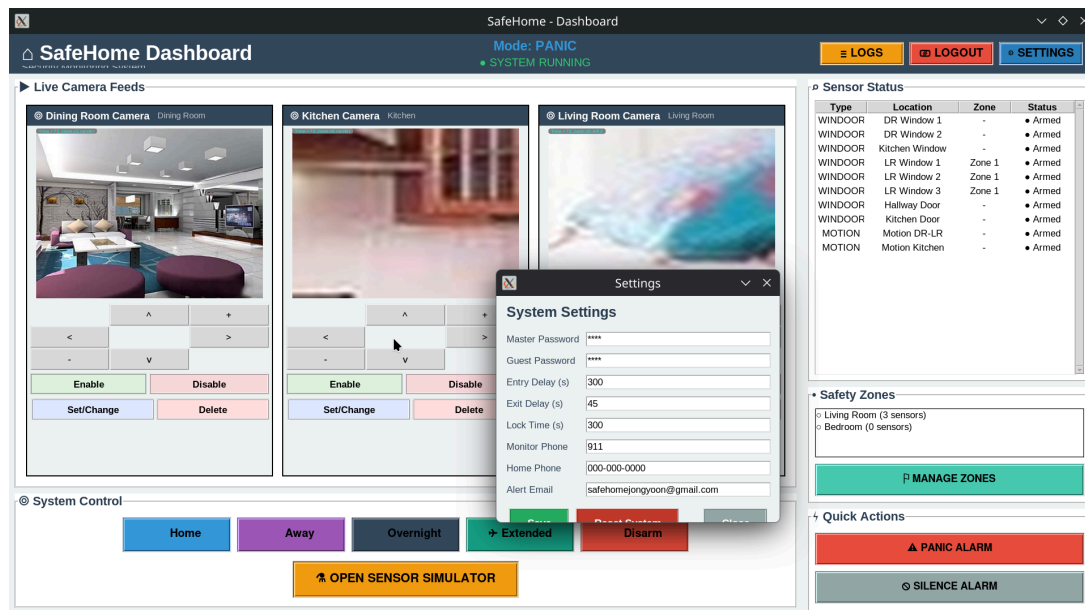
Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Observed Failures

1. Window is cut off

Screenshots



Reference

- Team3 SRS (2007) V.1.c. Configure system setting

2. No validation for type/format of: Monitor Phone, Home Phone, and Alert Email

Tester : Mohamed Elnakeeb

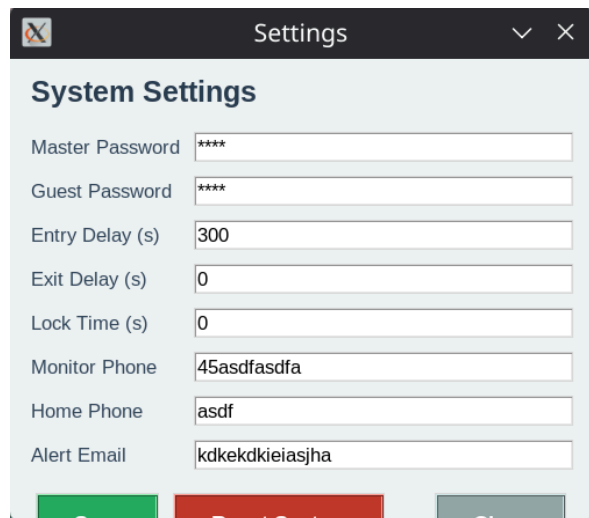
Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Observed Failures

1. lack of validation for type/format of: Monitor Phone, Home Phone, and Alert Email shown

Screenshots



Reference

- Team3 SRS (2007) V.1.c. Configure system setting

3. Password data corrupted following series of steps

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps

1. Reset system
2. Set password for any camera
3. Disable said camera
4. Logout
5. Log in as guest
6. Spam any directional button(tested with right and left) on the disabled camera
7. Log back into Admin
8. Try to enable camera

Observed Failure

1. Password is invalid

Notes

- Also works without disabling but the prompt for accessing the camera will fail

Screenshots

The screenshot shows the SafeHome Dashboard interface. At the top, the title bar reads "SafeHome - Dashboard" with the mode set to "PANIC" and "SYSTEM RUNNING". The main content area is divided into three sections: "Live Camera Feeds", "System Control", and "Sensor Status".

Live Camera Feeds: This section contains three camera feeds: "Dining Room Camera", "Kitchen Camera", and "Living Room Camera". The "Living Room Camera" feed is currently disabled, showing a black screen with the text "Disabled". A dialog box titled "Camera Password" is overlaid on the "Living Room Camera" feed, displaying the message: "Invalid password or camera locked. Please try again." with an "OK" button.

System Control: This section contains buttons for "Home", "Away", "Overnight", "Extended", and "Disarm". Below these buttons is a yellow button labeled "OPEN SENSOR SIMULATOR".

Sensor Status: This section contains a table of sensor status. The table has columns for Type, Location, Zone, and Status. The data is as follows:

Type	Location	Zone	Status
WINDOOR	DR Window 1	Zone 4	Armed
WINDOOR	DR Window 2	-	Armed
WINDOOR	Kitchen Window	Zone 4	Armed
WINDOOR	LR Window 1	Zone 5	Armed
WINDOOR	LR Window 2	Zone 5	Armed
WINDOOR	LR Window 3	Zone 4	Armed
WINDOOR	Hallway Door	Zone 4	Armed
WINDOOR	Kitchen Door	-	Armed
MOTION	Motion DR-LR	Zone 3	Armed
MOTION	Motion Kitchen	Zone 4	Armed

Below the table, there is a section for "Safety Zones" showing "Living Room (0 sensors)" and "Bedroom (0 sensors)". A green button labeled "MANAGE ZONES" is located below this section. At the bottom right, there are two buttons: "PANIC ALARM" and "SILENCE ALARM".

The screenshot shows the SafeHome Dashboard interface, similar to the first one, but with a different state. The "Dining Room Camera" feed now displays a black screen with the text "Password Required" in yellow. The "Living Room Camera" feed is now active, showing a bedroom scene. The "Kitchen Camera" feed remains active, showing a kitchen scene. The "System Control" and "Sensor Status" sections are identical to the first screenshot.

(test showing only spamming camera 1) and trying to relogin

Reference

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

4. Password can always be deleted if it doesn't exist

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

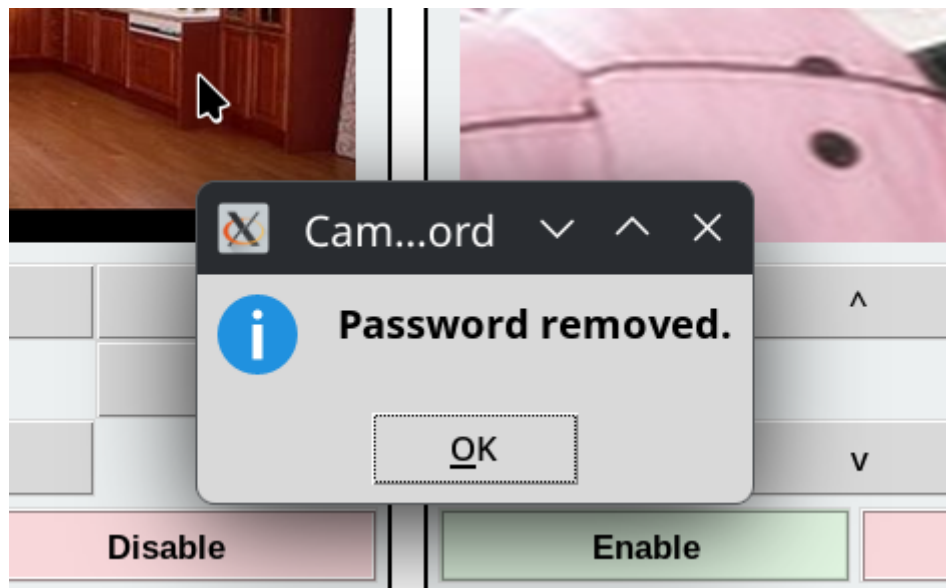
Steps

1. Press delete when there's no password

Observed Failures

1. You get a "password removed" pop up even if there was no password

Screenshots



Reference

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

5. Saving master password is very slow

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps

1. Log in to system
2. Go to settings menu
3. Change master password to anything
4. Press save

Observed Failures

1. A noticeable delay before the popup that says that settings have been saved

Reference

- Team3 SRS (2007) V.1.c. Configure system setting

6. Changing password does not go into affect until restart

Tester : Mohamed Elnakeeb

Environment:

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps

1. Login
2. Go to settings
3. Change either guest or master password
4. Log out

Observed Failures

1. Changes don't apply and can still use the defaults to log in

Notes

- It works after closing and reopening the program

Reference

- Team3 SRS (2007) V.1.c. Configure system setting

7. Changes to the password persist for only 1 reset

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps:

1. Login
2. Go to settings
3. Change either password
4. Close the program
5. Reopen
6. Enter new password
7. Close the program
8. Reopen

Observed Failures

1. Changes that you applied to the program are not in effect anymore

Notes

- This isn't mentioned anywhere, and for that there should be a reset script instead

Reference

- Team3 SRS (2007) V.1.c. Configure system setting

8. There is no limit check on the length of the password

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps

1. Login
2. Go to settings
3. Change any password to an absurdly long one(copy the last bug report and paste it there)
4. Close and reopen the program

Observed Failure

1. The password does not work, neither does the default

Reference

- Team3 SRS (2007) V.1.c. Configure system setting

9. Can set the lock time and the delays as negative, causing crashes when accessed

Tester : Mohamed Elnakeeb

Environment

- Fedora linux 43
- Virtual enviroment used(venv) and download steps followed exactly

Steps

1. Login into the system and navigate to the settings menu
2. Set the values as -1
3. Exit the program
4. When relogging in put in incorrect passwords until lockout

Observed Failure

1. The following crash occurs:

```
[System] Starting GUI event loop...
CONTROL_PANEL locked due to failed login attempts
Exception in thread Thread-8 (unlock_after_delay):
Traceback (most recent call last):
  File "/usr/lib64/python3.14/threading.py", line 1081, in _bootstrap_inner
    self._context.run(self.run)
    ~~~~~^~~~~~
  File "/usr/lib64/python3.14/threading.py", line 1023, in run
    self._target(*self._args, **self._kwargs)
    ~~~~~^~~~~~
  File "/home/Nakeeb/Desktop/team8/safehome/configuration/login_manager.py", line 133, in unlock_after_delay
    time.sleep(lock_duration)
    ~~~~~^~~~~~
ValueError: sleep length must be non-negative
```

Reference

- Team3 SRS (2007) V.1.c. Configure system setting