

Project Report

COMP 5710/6710 Software Quality Assurance

team 20

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Git Hook Report

filename	test_name	test_id	issue_severity	issue_confidenc	issue_cwe	issue_text	line_number	col_offset	line_range	more_info					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	8	22	[8]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	9	22	[9]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	10	22	[10]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	11	22	[11]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	12	22	[12]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	13	22	[13]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	14	22	[14]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	15	22	[15]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	16	22	[16]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	17	22	[17]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	106	22	[106]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					
D:\study\COMPET\hardcoded_pass B105		B105	LOW	MEDIUM	https://cwe.mitre	Possible hardcoded	81	31	[81, 82]	https://bandit.readthedocs.io/en/1.7.4/plugins/b105_hardcoded_password_string.html					

Fuzzing

```
(base) milweakness@Milweakness-MacBook-Air KubeSec_master % ls
BAD_BOYS.md      TEST_ARTIFACTS    TEST_INTEGRATION.py  __pycache__      graphaint.py      scanner.py
NOTES.md          TEST_CONSTANTS.py TEST_PARSING.py       constants.py      main.py           weaknesss.csv
README.md         TEST_GRAPH.py     TEST_SCANNING.py     fuzz.py          parser.py
(base) milweakness@Milweakness-MacBook-Air KubeSec_master % python fuzz.py
{}
=====
Traceback (most recent call last):
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 35, in <module>
    simpleFuzzer()
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 31, in simpleFuzzer
    fuzzValues()
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 11, in fuzzValues
    res = scanKeys(" ")
TypeError: scanKeys() missing 1 required positional argument: 'val_lis'
(base) milweakness@Milweakness-MacBook-Air KubeSec_master % python fuzz.py
Traceback (most recent call last):
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 1, in <module>
    from scanner import *
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/scanner.py", line 26
    if (isinstance( uName , str) )
    ^
SyntaxError: expected ':'
(base) milweakness@Milweakness-MacBook-Air KubeSec_master % python fuzz.py
{}
=====
Traceback (most recent call last):
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 35, in <module>
    simpleFuzzer()
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 31, in simpleFuzzer
    fuzzValues()
  File "/Users/milweakness/Desktop/team20-SQA2023-AUBURN/KubeSec_master/fuzz.py", line 11, in fuzzValues
    res = scanKeys(" ")
TypeError: scanKeys() missing 1 required positional argument: 'val_lis'
(base) milweakness@Milweakness-MacBook-Air KubeSec_master %
```

Lessons learned

We realized that we had forgotten how to execute certain processes in git and pre-commit, so we referred back to our notes and reviewed the steps. This experience has taught us the importance of keeping track of resources to review learned skills, as it helps us identify mistakes and improve our abilities.

Moreover, we have also learned about intentionally introducing errors during testing to produce expected error reports. This approach is known as Test Driven Development (TDD), and it is a valuable skill to have when testing software. By using TDD, we can identify

errors early in the development process, which saves time and reduces the likelihood of errors slipping through to the final product.