sonarqube

Executive Report

Project Name
19_Bank-Management-System_git

Branch
main

Analysis Date
2023-01-04

Size Rating
S

Lines of Code
1,094

Version
not provided

Quality Gate
PASSED

Reliability

A

Bugs
0

Reliability on New Code
–

New Bugs

Security

A

Vulnerabilities
0

Security Hotspots
0

Security on New Code
–

New Vulnerabilities

New Security Hotspots

Maintainability

A

Code Smells
31

Debt Ratio
1.8%

Maintainability on New Code
–

New Code Smells

Debt Ratio on New Code
0

Issues By Severity

	🐞	🔓	⚙
❗	0	0	0
🔼	0	0	13
🔺	0	0	1
🔽	0	0	17
ℹ	0	0	0

- ❗ Blocker
- 🔴 Critical
- 🔺 Major
- 🔽 Minor
- ℹ Info

- 🐞 Bug
- 🔓 Vulnerability
- ⚙ Code Smell

Coverage

0%

Unit Tests
0

Coverage on New Code
0

Duplications

20.3%

Duplicated Blocks
9

Duplications on New Code
0

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Bugs

0

Vulnerabilities

0

Code Smells

31

0

Security Hotspots

0

Duplications (Lines of code / Duplicated lines)

1,100
1,000
900
800
700
600
500
400
300
200
100
0

Duplicated Lines (%)

20.3

0

Coverage (Lines to cover / Covered lines)

916

0

Coverage (%)

0

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Top Common Issues

Severity	Rule	Type	# Issues
⬇	Local variable and function parameter names should comply with a naming convention (py)	⚙	16
⬆	String literals should not be duplicated (py)	⚙	6
⬆	Cognitive Complexity of functions should not be too high (py)	⚙	6
⌃	Collapsible "if" statements should be merged (py)	⚙	1
⬇	Unused local variables should be removed (py)	⚙	1
⬆	"SystemExit" should be re-raised (py)	⚙	1

Severity Levels

- ❗ Blocker
- ⬆ Critical
- ⌃ Major
- ⬇ Minor
- ⓘ Info
- 🔗 Multipe severities found

Issue Types

- 🐛 Bug
- 🔓 Vulnerability
- 🛡 Security Hotspot
- ⚙ Code Smell

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Top Issues By Severity

Severity	Rule	Type	# Issues
⬆	String literals should not be duplicated (py)		6
⬆	Cognitive Complexity of functions should not be too high (py)		6
⬆	"SystemExit" should be re-raised (py)		1
⌃	Collapsible "if" statements should be merged (py)		1
⬇	Local variable and function parameter names should comply with a naming convention (py)		16
⬇	Unused local variables should be removed (py)		1

Severity Levels
- ❗ Blocker
- 🔴 Critical
- 🔺 Major
- 🔻 Minor
- ℹ Info

🔗 Multipe severities found

Issue Types
- 🐞 Bug
- 🔓 Vulnerability
- ⓘ Security Hotspot
- ⚙ Code Smell

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Top Security HotSpots to Review

Severity	Rule	Type	# Issues

No Security HotSpots found

Severity Levels
- 🛑 Blocker
- ⬆ Critical
- 🔺 Major
- 🔽 Minor
- ℹ Info

🔗 Multipe severities found

Issue Types
- Bug
- Vulnerability
- Security Hotspot
- Code Smell

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Rule
String literals should not be duplicated

	Language	Issues
	py	6

Duplicated string literals make the process of refactoring error-prone, since you must be sure to update all occurrences.

🏷 **design**

Issues Breakdown

createaccount.py **L28**
Define a constant instead of duplicating this literal "Done OK" 7 times.

editemployee.py **L74**
Define a constant instead of duplicating this literal "Done OK" 7 times.

editemployee.py **L83**
Define a constant instead of duplicating this literal "----------Value addition was unsuccessful!!!!------...

hireemployee.py **L26**
Define a constant instead of duplicating this literal "Done OK" 7 times.

setup.py **L100**
Define a constant instead of duplicating this literal "cred_per" 3 times.

showemployee.py **L13**
Define a constant instead of duplicating this literal "+----------+-------------+------------------+--------...

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Rule

Cognitive Complexity of functions should not be too high

Language py

Issues 6

Cognitive Complexity is a measure of how hard the control flow of a function is to understand.

🏷 **brain-overload**

Issues Breakdown

createaccount.py **L12**
Refactor this function to reduce its Cognitive Complexity from 128 to the 15 allowed.

editemployee.py **L60**
Refactor this function to reduce its Cognitive Complexity from 213 to the 15 allowed.

employeepanel.py **L7**
Refactor this function to reduce its Cognitive Complexity from 37 to the 15 allowed.

fireemployee.py **L3**
Refactor this function to reduce its Cognitive Complexity from 16 to the 15 allowed.

hireemployee.py **L10**
Refactor this function to reduce its Cognitive Complexity from 134 to the 15 allowed.

setup.py **L125**
Refactor this function to reduce its Cognitive Complexity from 27 to the 15 allowed.

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Rule

"SystemExit" should be re-raised

Language
py

Issues
1

SystemExit is raised when sys.exit() is called.

🏷 **bad-practice** **error-handling** **suspicious**

Issues Breakdown

📄 setup.py L119
Specify an exception class to catch or reraise the exception

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Rule

Collapsible "if" statements should be merged

Language   py

Issues   1

Merging collapsible if statements increases the code's readability.

🏷 **clumsy**

Issues Breakdown

📄 setup.py   **L132**
Merge this if statement with the enclosing one.

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Rule
Local variable and function parameter names should comply with a naming convention

Shared naming conventions allow teams to collaborate effectively.

🏷 **convention**

Language
py

Issues
16

Issues Breakdown

📄 createaccount.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L16

📄 createaccount.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L17

📄 editemployee.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L21

📄 editemployee.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L22

📄 employeepanel.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L16

📄 employeepanel.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L17

📄 fireemployee.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L7

📄 fireemployee.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L8

📄 hireemployee.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L14

📄 hireemployee.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L15

📄 setup.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L116

📄 setup.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L117

📄 setup.py
Rename this local variable "Database" to match the regular expression ^[_a-z][a-z0-9_]*$.
L165

📄 setup.py
Rename this local variable "Password" to match the regular expression ^[_a-z][a-z0-9_]*$.
L166

📄 showemployee.py
Rename this local variable "Passwo" to match the regular expression ^[_a-z][a-z0-9_]*$.
L7

📄 showemployee.py
Rename this local variable "Databa" to match the regular expression ^[_a-z][a-z0-9_]*$.
L8

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Rule

Unused local variables should be removed

Language
py

Issues
1

If a local variable is declared but not used, it is dead code and should be removed.

🏷 unused

Issues Breakdown

editemployee.py   **L209**
Remove the unused local variable "gender".