

Executive Report

Project Name

12_Hotel_Management_System

Size Rating



Lines of Code

1,540

Branch

🎾 main

Version not provided Analysis Date 2023-01-02

Quality Gate

PASSED





Bugs

9

Reliability on New Code

New Bugs

Security



Vulnerabilities

0

Security Hotspots

0

arity on New York

Vull o abilities

New Security Hotspots

Maintainability

Code Smells

131

Debt Ratio

0.9%

Maintainability on New Code

New Code Smells

Debt Ratio on New Code

0

Issues By Severive 6



₩ Bug

⊕ Vulnerability

Blocker

Critical

Major

MinorInfo

Coverage



0%

Unit Tests

0

Coverage on New Code

Duplications



9.3%

Duplicated Blocks

3

Duplications on New Code

 $\mathbf{0}$



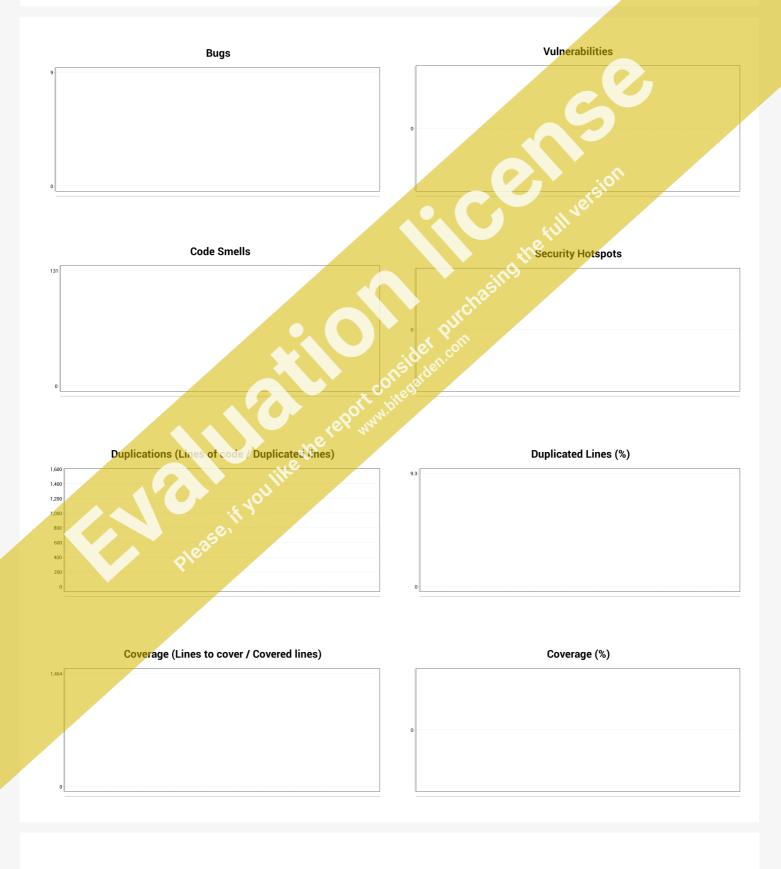






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Issues Breakdown



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12_Hotel_Management_System

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Top Common Issues

Severity	Rule	Туре	# Issues
•	Field names should comply with a naming convention (py)	@	58
•	Local variable and function parameter names should comply with a naming convention (py)	***	21
	Implicit string and byte concatenations should not be confusing (py)	®	17
•	Wildcard imports should not be used (py)	%	13
	All code should be reachable (py)	OF.	5
•	Class names should comply with a naming convention (py)	®	5
	Loops with at most one iteration should be refactored (py)	觉	4
•	"pass" should not be used needlessly (py)	**	3
0	Methods and field names should not differ only by capitalization (xy)	⊗	3
•	Cognitive Complexity of functions should not be too high (pv)	%	3
•	String literals should not be duplicated (py)	%	3
•	Jump statements should not be redundant (py)	%	2
•	Constants should not be used as conditions (py)	%	2
•	Unused local variables should be removed (ny)	%	1
	Please if you like the report coms and a property of the report comes and a property of the report o		

Severity Levels

Blocker Critical

Major Minor 1 Info

% Multipe severities found

Issue Types

₩ Bug

← Vulnerability ① Security Hotspot





Issues Breakdown



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Top Issues By Severity

Severity	Rule	Туре	# Issues
0	Methods and field names should not differ only by capitalization (py)		3
•	Wildcard imports should not be used (py)	8	13
•	String literals should not be duplicated (py)	®	3
•	Cognitive Complexity of functions should not be too high (py)	®	3
•	Constants should not be used as conditions (py)	. 1	2
	Implicit string and byte concatenations should not be confusing (py)	(S) ®	17
	All code should be reachable (py)	₩. W.	5
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•	Class names should comply with a naming convention (py)	%	5
•	"pass" should not be used needlessly (py)	%	3
•	Jump statements should not be redundant (py)	%	2
•	Unused local variables should be removed (ny)	%	1
	Please, it you like the report constant		

Severity Levels

Blocker Critical Major

Minor

1 Info

% Multipe severities found

Issue Types

₩ Bug

← Vulnerability ① Security Hotspot



Security HotSpots Breakdown



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Top Security HotSpots to Review

Severity Rule

No Security Howard

consider P

Pleas

Severity Levels

BlockerCriticalMajorMinor

1 Info

Nultipe severities found

Issue Types

₩ Bug

Code Smell





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Issues

3

•

Methods and field names should not differ only by capitalization

Language py

}

Looking at the set of methods and fields in a class and finding two that differ only by capitalization is confusing to users of the class.

confusing

Issues Breakdown

checkin_gui_and_program.py

Rename field "name" to prevent any misunderstanding/clash with field "NAME" defined on lips 83

checkin_gui_and_program.py

Rename field "mobile" to prevent any misunderstanding/clash with field "MOBILE" de med on line 85

Checkin_gui_and_program.py
Rename field "days" to prevent any misunderstanding/clash with field "DAYS" defined on line 86

seit,





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Wildcard imports should not be used

Language py



13

Importing every public name from a module using a wildcard (from mymodule import *) is a bad idea because It could lead to conflicts between names defined locally and the ones imported.

pitfall

Issues Breakdown	
recipt.py Import only needed names or import the module and then use its members.	L7
recipt.py Import only needed names or import the module and then use its members.	L11
recipt.py Import only needed names or import the module and then use its members.	L13
checkin_gui_and_program.py Import only needed names or import the module and then use its combets.	L16
checkin_gui_and_program.py Import only needed names or import the module and the case is members.	L18
checkoutgui.py Import only needed pames or import the module and then use its members.	L48
checkoutgui.pv Import only needed names or import the module and then use its members.	L50
Inport only needed names comport the module and then use its members.	L44
getinfolipy Import only needed names or import the module and then use its members.	L46
listgui.py Import only needed names or import the module and then use its members.	L61
listgui.py Import only needed names or import the module and then use its members.	L63
mainly.py Import only needed names or import the module and then use its members.	L7
mainly.py Import only needed names or import the module and then use its members.	L9



Code Smell **S1192**



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String literals should not be duplicated

Language

Issues 3

L13

ру

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

design

Issues Breakdown

checkoutgui.py Define a constant instead of duplicating this literal "hotel dat" 4 times.

L44 Define a constant instead of duplicating this literal "invalid input

main.py L168 Define a constant instead of duplicating this literal hotel



Code Smell **S3776**



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Cognitive Complexity of functions should not be too high

Language

Issues 3

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

brain-overload

Issues Breakdown

checkin_gui_and_program.py Refactor this function to reduce its Cognitive Complexity from 69 to the 15 allowed. L82

L63

Refactor this function to reduce its Cognitive Complexity from 20 to the 15 allowed.

getinfoui.py Refactor this function to reduce its Cognitive Complexity L57



Code Smell **\$5797**



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Constants should not be used as conditions

Language py

289

Issues 2

When a constant is used as a condition, either it has no effect on the execution flow and it can be removed or some code will never be executed and it is a bug.

suspicious

Issues Breakdown

getinfoui.py
Replace this expression; used as a condition it will always be constant.

L83

main.py

Replace this expression; used as a condition it will always be constant.

L305

bleg



S5799

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Implicit string and byte concatenations should not be confusing

Language py

₩

Issues 17

Python concatenates adjacent string or byte literals at compile time.

w confusing suspicious

Issues	Breakdown
100000	DICUNGOWII

checkin_gui_and_program.py		
Merge these implicitly concatenated strings; or did you forget a comma?		

L105

L102

checkin_gui_and_program.py					
Merge these implicitly concatenated strings; or	did yo	ou forget	ac	omm	la?

2100

checkin_gui_and_program.py						
Merge these implicitly concatenated stri	ngs; or	di	d you	forget	a c	comma?

L117

checkin_gui_and_program.py				221
Merge these implicitly concaten	ated strings; or	r did yo	u forget a co	mma?

L120

checkin_gui_and_program.py Merge these implicitly concatenated strings or did you foxet a somma?

L130

checkin_gui_and_program.py

L133

Merge these implicitly concatenated strings; or did you forget a comma?

L143

checkin_gui_and_p.ogram.py
Merge these implicitly concatenated civilgs; or did you forget a comma?

L146

checkin, gui_and_program.py
Merge these implicitly concers nated strings; or did you forget a comma?

checkin_gui_and_program.py
Merge these implicitly concatenated strings; or did you forget a comma?

L173

checkin_gui_and_program.py
Merge these implicitly concatenated strings; or did you forget a comma?

L294

checkin_gui_and_program.py
Merge these implicitly concatenated strings; or did you forget a comma?

L69

checkoutgui.py Merge these implicitly concatenated strings; or did you forget a comma?

L86

Merge these implicitly concatenated strings; or did you forget a comma?

checkoutgui.py

Merge these implicitly concatenated strings; or did you forget a comma?

L90

checkoutgui.py
Merge these implicitly concatenated strings; or did you forget a comma?

L98

getinfoui.py
Merge these implicitly concatenated strings; or did you forget a comma?

L63





Code Smell **\$5799**

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Issues Breakdown

getinfoui.py
Merge these implicitly concatenated strings; or did you forget a comma?

L65

bite**garden**



S1763



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All code should be reachable

Language py Issues **5**

Jump statements (return, break, continue, and raise) move control flow out of the current code look

cwe unused

Issues	Bros	kdown
ISSUES	DIEd	KUUVVII

main.py
Delete this unreachable code or refactor the code to make it reachable.

L28

main.py
Delete this unreachable code or refactor the code to make it reachable.

L41

main.py

L54

Delete this unreachable code or refactor the code to make it reachable.

L67

Delete this unreachable code or refactor the code to make it reachable.

LUI

main.py
Delete this unreachable code or rejector the code to make reschable.

L80

16826



S1751



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Loops with at most one iteration should be refactored

Language py

1ssue

A loop with at most one iteration is equivalent to the use of an if statement to conditionally execute one piece of code

Issues Breakdown

checkin_gui_and_program.py
Refactor this loop to do more than one iteration.

L95

checkin_gui_and_program.py
Refactor this loop to do more than one iteration.

L110

checkin_gui_and_program.py

Refactor this loop to do more than one iteration.

L125

checkin_gui_and_program.py

Refactor this loop to do more than one iteration.

L137

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Field names should comply with a naming convention

Language py



lssues **58**

Sharing some naming conventions is a key point to make it possible for a team to efficiently collaborate

convention

	Issues Breakdown	
	recipt.py Rename this field "Label1" to match the regular expression ^[_a-z][_a-z0-9]**	L75
	checkin_gui_and_program.py Rename this field "Text1" to match the regular expression \[a - z \]	L333
	checkin_gui_and_program.py Rename this field "Frame1" to match the regular expression A[a-z][a-z0-9;\$.	L346
	checkin_gui_and_program.py Rename this field "Message1" to match the regular expression ^[_2-z][_a-z\dagger-9]*\$.	L356
	checkin_gui_and_program.py Rename this field "Message2" to match the regular expression (\(\frac{1}{2}\)a-z\][_a-z0-9]*\(\frac{1}{2}\).	L366
	checkin_gui_and_program, py Rename this field "Message3" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L376
	checkin_gui_apri_p.ogram.py Rename this field "Frame2" to match *ive regular expression ^[_a-z][_a-z0-9]*\$.	L391
	checking vi_and_program.py hename this field "Label3" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L401
	checkin_gu_and_program.py Rename this field "Label4" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L413
	checkin_gui_and_program.py Rename this field "Entry3" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L427
	checkin_gui_and_program.py Rename this field "Entry4" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L442
	checkin_gui_and_program.py Rename this field "Entry5" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L457
	checkin_gui_and_program.py Rename this field "Label5" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L471
	checkin_gui_and_program.py Rename this field "Label6" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L483
	checkin_gui_and_program.py Rename this field "Label7" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L495
	checkin_gui_and_program.py Rename this field "Message4" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L507





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checkin_gui_and_program.py Rename this field "Message5" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L517
checkin_gui_and_program.py Rename this field "Message6" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L527
checkin_gui_and_program.py Rename this field "Checkbutton1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L537
checkin_gui_and_program.py Rename this field "Checkbutton2" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L557
checkin_gui_and_program.py Rename this field "Checkbutton3" to match the regular expression ^[_a z] _a-z0-9] \s.	L573
checkin_gui_and_program.py Rename this field "Checkbutton4" to match the regular expression ^[_a-z][_a-z]-3]*\$.	L589
checkin_gui_and_program.py Rename this field "Checkbutton5" to match the regular expression \[\(\(\(\) \) \]_a-z_j[_a-z0-9] \(\)	L605
checkin_gui_and_program.py Rename this field "Checkbutton6" to match the regular expression ^[_a-z\[> z0-5\\$.	L621
checkin_gui_and_program.py Rename this field "Message7" to match the regular expression ^[_a z][_c 20-9]*\$.	L637
checkin_gui_and_program.py Rename this field "Button1" to match the regular expression ^[-a-z][_a-z0-9]*\$.	L647
checkin_gui_and_program.pv Rename this field "Button 2" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L660
checkin_gui_ard_program py Rename this field "Button3" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L673
checkip_gui_and_program.py Rename this field "Button4" (c match the regular expression ^[_a-z][_a-z0-9]*\$.	L686
checkin_qui_and_program.py Rename this field "Label1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L700
checkin_gui_and_program.py Rename this field "Entry1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L709
checkin_gui_and_program.py Rename this field "Message8" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L720
checkin_gui_and_program.py Rename this field "Button5" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L730
checkoutgui.py Rename this field "Frame1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L125
checkoutgui.py Rename this field "Label1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L135
checkoutgui.py Rename this field "Entry1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L147
checkoutgui.py Rename this field "Text1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L167

P Branch main

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Issues Breakdown	
checkoutgui.py Rename this field "Button1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L180
getinfoui.py Rename this field "Frame1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L114
getinfoui.py Rename this field "Text1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L122
getinfoui.py Rename this field "Label1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L137
getinfoui.py Rename this field "Entry1" to match the regular expression ^[_a-z][_a-z]-\$.	L145
getinfoui.py Rename this field "Button1" to match the regular expression ^[_a-zll_a-z0-9]*	L156
getinfoui.py Rename this field "Message1" to match the regular expression \[[a \z][a \z0-9]*\\$.	L171
listgui.py Rename this field "Labelframe1" to match the regular expression ^[_a-z][<> 20-9] 5.	L99
listgui.py Rename this field "Frame1" to match the regular expression ^[_arz^1_a-zo^9]*\$.	L111
listgui.py Rename this field "Labe'\" to match the regular expression \[a \z][_a-z0-9]*\$.	L122
listgui.py Rename this field "Text" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L134
listgui.py Rename this field "Frame2" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L149
Rename this field "Label2" *** natch the regular expression ^[_a-z][_a-z0-9]*\$.	L160
Rename this field "Text2" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L172
mainly.py Rename this field "Frame1" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L57
mainly.py Rename this field "Message6" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L67
mainly.py Rename this field "Button2" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L77
mainly.py Rename this field "Button3" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L92
mainly.py Rename this field "Button4" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L107
mainly.py Rename this field "Button5" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L122
mainly.py Rename this field "Button6" to match the regular expression ^[_a-z][_a-z0-9]*\$.	L137







& Branch main Version not provided **Analysis Date** 2023-01-02



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

Shared naming conventions allow teams to collaborate effectively.

Issues

Language

21

convention

	Issues Breakdown	
	checkin_gui_and_program.py Rename this local variable "myVars" to match the regular expression ^[_a-z][c-z]0-9_]*\$.	L40
	checkin_gui_and_program.py Rename this parameter "ADDRESS_PRO" to match the regular expression \[[a-z][a-zv-3_] * \\$.	L70
	checkin_gui_and_program.py Rename this parameter "MOBILE_NO_PRO" to match the regular expression \[[a-3\a-z0-9_] *\\$.	L70
	checkin_gui_and_program.py Rename this parameter "NAME_PRO" to match the regular expression ^[_o z][a-z0-9_]*\$.	L70
	checkin_gui_and_program.py Rename this parameter "PRICE_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L70
	checkin_gui_and_program_py Rename this parameter "ROOM_NO_PRO" to mach the regular expression ^[_a-z][a-z0-9_]*\$.	L70
	checkoutgui.pv Rename this parameter "ADDRESS_PSO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	Checkout yui.py Rename this parameter "MORICE_NO_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	checkentaginpy Rename this parameter "NAME_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	checkoutgui.py Rename this parameter "PRICE_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	checkoutgui.py Rename this parameter "ROOM_NO_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	getinfoul.py Rename this parameter "ADDRESS_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	getinfoui.py Rename this parameter "MOBILE_NO_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	getinfoui.py Rename this parameter "NAME_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	getinfoui.py Rename this parameter "PRICE_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33
	getinfoui.py Rename this parameter "ROOM_NO_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$.	L33







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 Analysis Date 12_Hotel_Management_System 2023-01-02 Version not provided Issues Breakdown listgui.py L33 Rename this parameter "ADDRESS_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$. L33 Rename this parameter "MOBILE_NO_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$. listgui.py L33 Rename this parameter "NAME_PRO" to match the regular expression ^[_a-z][a-z0-9_]*\$. L33 Rename this parameter "PRICE_PRO" to match the regular expression ^[_a-z][a-z0-9_1*\$ L33 Rename this parameter "ROOM_NO_PRO" to match the regular expression ^[_



Code Smell **S101**

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 not provided **Analysis Date** 2023-01-02



Class names should comply with a naming convention

Language

Issues 5

Shared coding conventions allow teams to collaborate effectively.

convention

Issues Breakdown

L79 checkin_gui_and_program.py Rename class "HOTEL_MANGMENT_checkin" to match the regular expression 2([A-Z_][a-zA-20-9]*|[a-z_][a-z0-9_...

L61 Rename class "New_Toplevel" to match the regular expression \(\text{[A-Z_[a-zA-Z0-9] \nada-z_][a-z0-9_]*} \)\$.

L56 Rename class "HOTEL_MANAGEMENT" to match the regular expression ^ 2 (A-Z (3-zA-Z0-9)*|[a-z_][a-z0-9_]*)\$.

L76 Rename class "HOTEL_MANGMENT_checkin" to match the regular expression ^_?([A-Z_][a-zA-Z0-9]*|[a-z_][a-z0-9_...

L27 Rename class "HOTEL_MANAGEMENT" to match the recover expression ^_?([A-Z_][a-zA-Z0-9]*|[a-z_][a-z0-9_]*)\$.

Dlease if you like it



Code Smell **S2772**



Project Name
12_Hotel_Management_System

Branch main
Version not provided

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"pass" should not be used needlessly

Language py 289

Issues 3

The use of a pass statement where it's not required by the syntax is pure cruft and should be removed

w unused

Issues Breakdown

checkoutgui.py
Remove this unneeded "pass".

getinfoui.py
Remove this unneeded "pass".

main.py Remove this unneeded "pass". L91

L90

L272

deas



Code Smell **\$3626**



Project Name
12_Hotel_Management_System

Branch main
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Analysis Date 2023-01-02



Jump statements should not be redundant

Language py

()

Issues 2

Jump statements, such as return, break and continue let you change the default flow of program execution but jump statements that direct the control flow to the original direction are just a waste of keystrokes.

sometimes clumsy redundant

Issues Breakdown

main.py
Remove this redundant continue.

L289

main.py
Remove this redundant continue.

L325

alease,



Code Smell S1481



Issues

1

Project Name
12_Hotel_Management_System

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Unused local variables should be removed

Language py

9

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



unused

Issues Breakdown

checkin_gui_and_program.py
Remove the unused local variable "myVars".

L40

pleas