

Project Name  
8\_grocery\_webapp

Branch  
main

Analysis Date  
2022-12-26

Size Rating  
S

Lines of Code  
3,966

Version  
not provided

Quality Gate  
PASSED

Reliability



Bugs  
5

Reliability on New Code

New Bugs

Security



Vulnerabilities  
0

Security Hotspots  
2

Security on New Code

New Vulnerabilities

New Security Hotspots

Maintainability



Code Smells  
38

Debt Ratio  
0.2%

Maintainability on New Code

New Code Smells

Debt Ratio on New Code

Issues By Severity



0	0	0
0	0	33
3	0	2
2	0	3
0	0	0

- Blocker

Critical

Major

Minor

Info
- Bug

Vulnerability

Code Smell

Coverage



0%

Unit Tests  
0

Coverage on New Code  
0

Duplications



1.8%

Duplicated Blocks  
2

Duplications on New Code  
0

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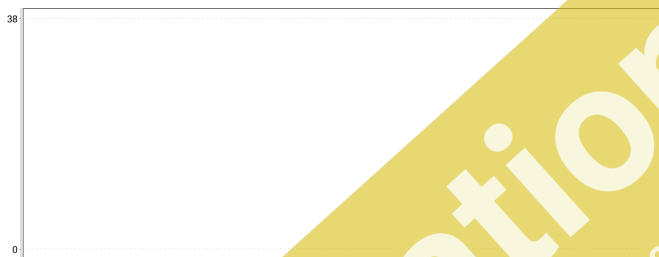
### Bugs



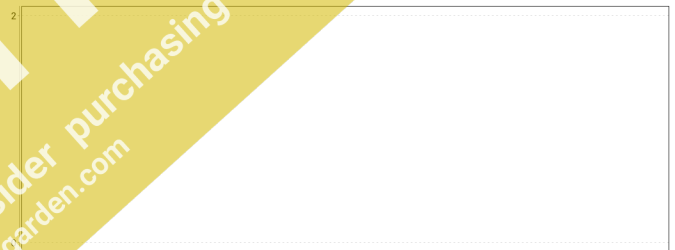
### Vulnerabilities



### Code Smells



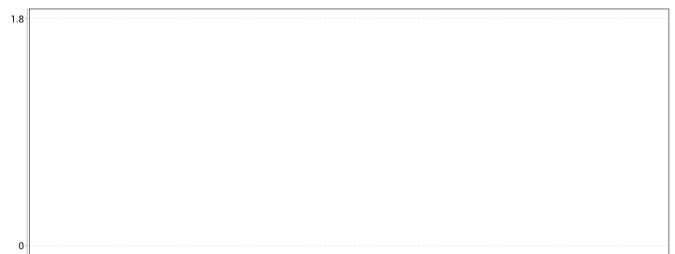
### Security Hotspots



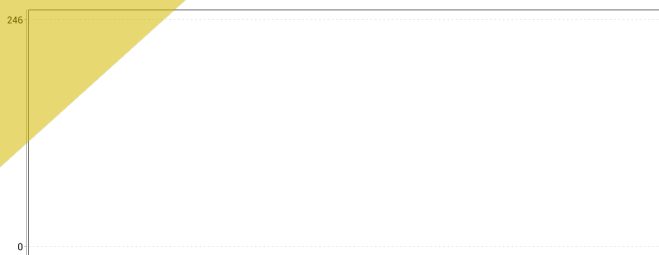
### Duplications (Lines of code / Duplicated lines)



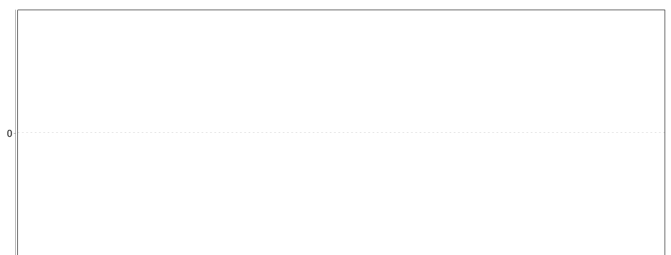
### Duplicated Lines (%)



### Coverage (Lines to cover / Covered lines)



### Coverage (%)





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## Top Common Issues

Severity	Rule	Type	# Issues
⬆	Variables should be declared with "let" or "const" (js)	Code Smell	33
⬆	"<html>" element should have a language attribute (web)	Bug	3
⬇	"<table>" tags should have a description (web)	Bug	2
⬇	"for of" should be used with Iterables (js)	Code Smell	2
⬇	Unused local variables and functions should be removed (js)	Code Smell	1
⬆	Unused assignments should be removed (py)	Code Smell	1
⬆	Sections of code should not be commented out (py)	Code Smell	1

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### Severity Levels

- ⬆ Blocker
- ⬆ Critical
- ⬆ Major
- ⬇ Minor
- ⓘ Info
- 🔗 Multiple severities found

### Issue Types

- 🐛 Bug
- 🔒 Vulnerability
- 🛡 Security Hotspot
- 🧐 Code Smell



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## Top Issues By Severity

Severity	Rule	Type	# Issues
⬆	Variables should be declared with "let" or "const" (js)	Code Smell	33
⬆	"<html>" element should have a language attribute (web)	Bug	3
⬆	Unused assignments should be removed (py)	Code Smell	1
⬆	Sections of code should not be commented out (py)	Code Smell	1
⬇	"<table>" tags should have a description (web)	Bug	2
⬇	"for of" should be used with Iterables (js)	Code Smell	2
⬇	Unused local variables and functions should be removed (js)	Code Smell	1

### Severity Levels

- ⬆ Blocker
- ⬆ Critical
- ⬆ Major
- ⬇ Minor
- ⬆ Info
- 🔗 Multiple severities found

### Issue Types

- 🐛 Bug
- 🔒 Vulnerability
- 🛡 Security Hotspot
- 🧐 Code Smell






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## Top Security HotSpots to Review

Severity	Rule	Type	# Issues
	Disabling CSRF protections is security-sensitive (py)		1
	Hard-coded credentials are security-sensitive (py)		1





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### Severity Levels

-  Blocker
-  Critical
-  Major
-  Minor
-  Info
-  Multiple severities found

### Issue Types

-  Bug
-  Vulnerability
-  Security Hotspot
-  Code Smell





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Rule

## Hard-coded credentials are security-sensitive

Language

py

Issues

1

Because it is easy to extract strings from an application source code or binary, credentials should not be hard-coded.



cwe owasp-a2 sans-top25-porous

### Issues Breakdown



backend/sql\_connection.py

"password" detected here, review this potentially hard-coded credential.

L11

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## Rule

## Variables should be declared with "let" or "const"

Language

js



Issues

33

ECMAScript 2015 introduced the let and const keywords for block-scope variable declaration.



bad-practice es2015

## Issues Breakdown

ui/js/custom/common.js	Unexpected var, use let or const instead.	L2
ui/js/custom/common.js	Unexpected var, use let or const instead.	L3
ui/js/custom/common.js	Unexpected var, use let or const instead.	L4
ui/js/custom/common.js	Unexpected var, use let or const instead.	L5
ui/js/custom/common.js	Unexpected var, use let or const instead.	L6
ui/js/custom/common.js	Unexpected var, use let or const instead.	L7
ui/js/custom/common.js	Unexpected var, use let or const instead.	L10
ui/js/custom/common.js	Unexpected var, use let or const instead.	L23
ui/js/custom/common.js	Unexpected var, use let or const instead.	L25
ui/js/custom/common.js	Unexpected var, use let or const instead.	L26
ui/js/custom/dashboard.js	Unexpected var, use let or const instead.	L5
ui/js/custom/dashboard.js	Unexpected var, use let or const instead.	L6
ui/js/custom/manage-product.js	Unexpected var, use let or const instead.	L1
ui/js/custom/manage-product.js	Unexpected var, use let or const instead.	L7
ui/js/custom/manage-product.js	Unexpected var, use let or const instead.	L23
ui/js/custom/manage-product.js	Unexpected var, use let or const instead.	L24





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## Issues Breakdown

ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L29
ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L30
ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L49
ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L50
ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L53
ui/js/custom/manage-product.js Unexpected var, use let or const instead.	L69
ui/js/custom/order.js Unexpected var, use let or const instead.	L1
ui/js/custom/order.js Unexpected var, use let or const instead.	L8
ui/js/custom/order.js Unexpected var, use let or const instead.	L19
ui/js/custom/order.js Unexpected var, use let or const instead.	L33
ui/js/custom/order.js Unexpected var, use let or const instead.	L34
ui/js/custom/order.js Unexpected var, use let or const instead.	L45
ui/js/custom/order.js Unexpected var, use let or const instead.	L46
ui/js/custom/order.js Unexpected var, use let or const instead.	L51
ui/js/custom/order.js Unexpected var, use let or const instead.	L52
ui/js/custom/order.js Unexpected var, use let or const instead.	L53
ui/js/custom/order.js Unexpected var, use let or const instead.	L54







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Rule  
**Disabling CSRF protections is security-sensitive**

Language  
py

Issues  
1

A cross-site request forgery (CSRF) attack occurs when a trusted user of a web application can be forced, by an attacker, to perform sensitive actions that he didn't intend, such as updating his profile or sending a message, more generally anything that can change the state of the application.

cwe django flask owasp-a6 sans-top25-insecure

Issues Breakdown

backend/server.py  
Make sure disabling CSRF protection is safe here.

L10



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Rule

## "<html>" element should have a language attribute

Language  
web



Issues  
**3**

The <html> element should provide the lang and/or xml:lang attribute in order to identify the default language of a document.

 **accessibility** wcag2-a

### Issues Breakdown

- |  |    |
|--|----|
|  ui/index.html<br>Add "lang" and/or "xml:lang" attributes to this "<html>" element          | L3 |
|  ui/manage-product.html<br>Add "lang" and/or "xml:lang" attributes to this "<html>" element | L3 |
|  ui/order.html<br>Add "lang" and/or "xml:lang" attributes to this "<html>" element          | L3 |





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Rule

## Unused assignments should be removed

Language

py



Issues

1

A dead store happens when a local variable is assigned a value that is not read by any subsequent instruction.



cwe unused

### Issues Breakdown



backend/orders\_dao.py

Remove this assignment to local variable 'query'; the value is never used.

L36

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Rule

## Sections of code should not be commented out

Language  
py

Issues  
1

Programmers should not comment out code as it bloats programs and reduces readability.



unused

### Issues Breakdown

backend/orders\_dao.py  
Remove this commented out code.

**L84**

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## Rule

**"<table>" tags should have a description**

Language

web



Issues

**2**

In order to be accessible to visually impaired users, it is important that tables provides a description of its content before the data is accessed.

**accessibility wcag2-a**

## Issues Breakdown

ui/index.html  
Add a description to this table.

**L59**

ui/manage-product.html  
Add a description to this table.

**L55**



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Rule

## "for of" should be used with Iterables

Language

js



Issues

2

If you have an iterable, such as an array, set, or list, your best option for looping through its values is the for of syntax.



clumsy

### Issues Breakdown

- ui/js/custom/manage-product.js  
Expected a 'for-of' loop instead of a 'for' loop with this simple iteration.
- ui/js/custom/order.js  
Expected a 'for-of' loop instead of a 'for' loop with this simple iteration.

L29

L52




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Rule

**Unused local variables and functions should be removed**

Language

js



Issues

1

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


**unused**

#### Issues Breakdown



ui/js/custom/order.js

Remove the declaration of the unused 'orderDetails' variable.

**L51**

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