

Software Test Plan of WEX site		
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## 1 Introduction

### 1.1 Document overview

This document it's a test plan of the WEX Inc. It contains the list of tests, which are executed during the phase of system test.

## 2 Scope

- Check for vulnerabilities on the site <https://www.wexinc.com>
- Create automation test in Search functionality on site <https://www.wexinc.com>

### 2.1 Hardware Test Platform

It's necessary to execute this plan:

- Intel Core i7 8GB RAM 64Bits 500GB HD

### 2.2 Software test tools

Software used for test :

- Selenium Web Drive
- Visual Studio 2017 .NET Full
- SpeckFlow
- C#
- Check for vulnerabilities in: <https://wpsec.com/>, - for more coverage this site offer other functionality

## 3 Testing Strategy

This plan, doesn't offer risk to the business, and it was created for a small test case. In this case, it's will be create a automated test using SpeckFlow and BDD approach.

In addition, this plan can be serve as a basic document to improve the tests, add others tools to managing lifecycle seems good , for example, integration with Azure DeveOps.

### 3.1 Test Schedule

The manager can be choice a routine of execution, and if a defect was found, the developers will need to fix the problem in a appropriate time.

### 3.2 Testing phases

System Testing

### 3.3 Risks

Not found risks immediate

### 3.4 Test coverage

Automated tests cover only Search functionality in Wex Inc. page

### 3.5 References

OWASP Foundation, Test Guide 4.0, [https://www.owasp.org/index.php/Main\\_Page](https://www.owasp.org/index.php/Main_Page)

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### 3.5.1 Planned Tests

Planned tests are listed in the table below.

Identifier	Description	Effort	Start/End	Type
TEST-010-1	Verify vulnerabilities on site	Easy	11-28-19/11-28-19	Manual
TEST-010-2	Check behavior javascript unexpected for a Search functionality	Easy	11-28-19/11-28-19	Manual
TEST-010-3	Run Automated Test for a Search functionality, the target it is to find behavior unexpected (special characters)	Easy	11-28-19/11-28-19	Automated UI

## GuideLines

The Tasks TEST-010-2 and TEST-010-3 could be find in:

<https://github.com/DSBRBrasil/WexTest2.git>

### TEST-010-1

#### WHAT

Check vulnerabilities of site using a service available in internet

#### WHO

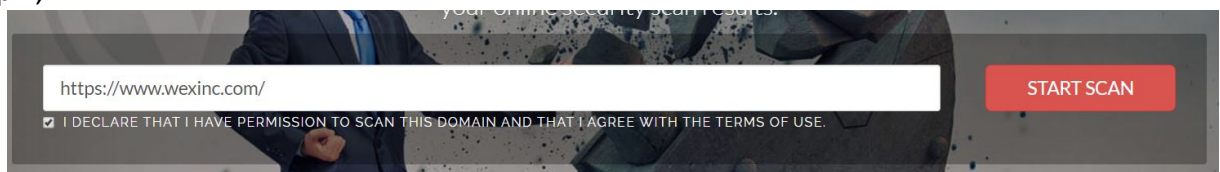
Testers

#### STEPS

1. Access de site <https://wpsec.com/>
2. Put url <https://www.wexinc.com/> in a field
3. Press Start, to scan

#### EVIDENCE

Step 1,2



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## RESULT

# WORDPRESS VULNERABILITY REPORT

Your WordPress website is safe!

Scan URL: <https://www.wexinc.com/>

Scan Date: Thu Nov 28 19:43:24 2019 (UTC+1)

WordPress Version: 5.3

Risk Factor: 0.4

## ACCEPTANCE CRITERIA

Works as expected

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## TEST-010-2

### WHAT

Check behaviors javascript unexpected for a Search functionality

### WHO

Testers

### STEPS

1. Access de site <https://wpsec.com/>
2. Press F12
3. Click on the input text
4. Check for any unexpected message in console log

### EVIDENCES

Step 3 (click on the input text)

All WEX ▼

Search... 🔍

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## Step 4



Each click on the input, a message was shown

## RESULT

Works as expected, but recommend to remove function “console.log” in button-menu.js line 55

```
// Listen for clicks outside of the button menus
var touchmoved;

$(document).on("click", function(event) {
    console.log(event.target);
});
```

## TEST-010-3

### WHAT

Run Automated Test for a Search functionality, the target it is to find behavior unexpected (special characters).

This case should be implemented using SpeckFlow, C# under BDD approach

### WHO

Testers

### STEPS

1. Create step by step using SpeckFlow  
Feature: WexSearchFunctionality  
The target of the test case it is to find a behavior unexpected

@mytag2

Scenario: To write special character

Given I navigate to 'https://www.wexinc.com'

And I write the sentence '/health'

Then the result should be a list of topics about health

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@mytag3

Scenario: To Find for a reduce costs

Given I navigate to 'https://www.wexinc.com'

And I write the sentence 'reduce costs'

Then the result should be a list of topics reduce costs

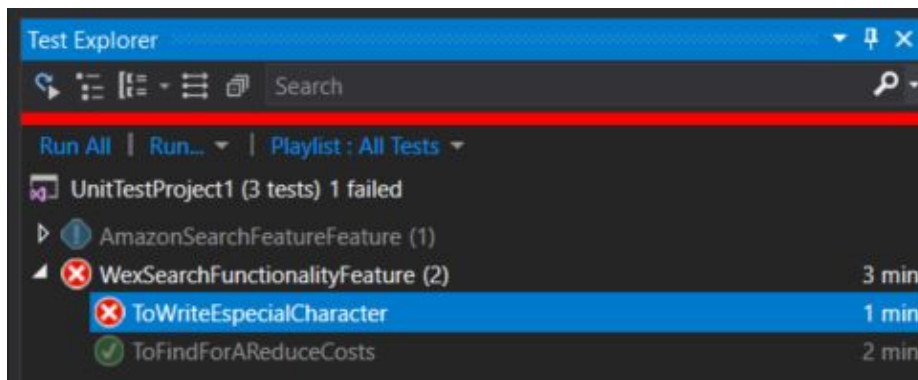
## EVIDENCES

```

1 Feature: WexSearchFunctionality
2   The target of the test case it is to find a behavior unexpected
3
4 @mytag2
5 Scenario: To write especial character
6   Given I navigate to 'https://www.wexinc.com'
7   And I write the sentence '/health'
8   Then the result should be a list of topics about health
9
10 @mytag3
11 Scenario: To Find for a reduce costs
12   Given I navigate to 'https://www.wexinc.com'
13   And I write the sentence 'reduce costs'
14   Then the result should be a list of topics reduce costs
15

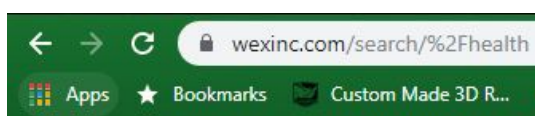
```

## RESULT



### First Case

The OWASP recommend put special character in your tests, so, it is was done. That's it is was shown

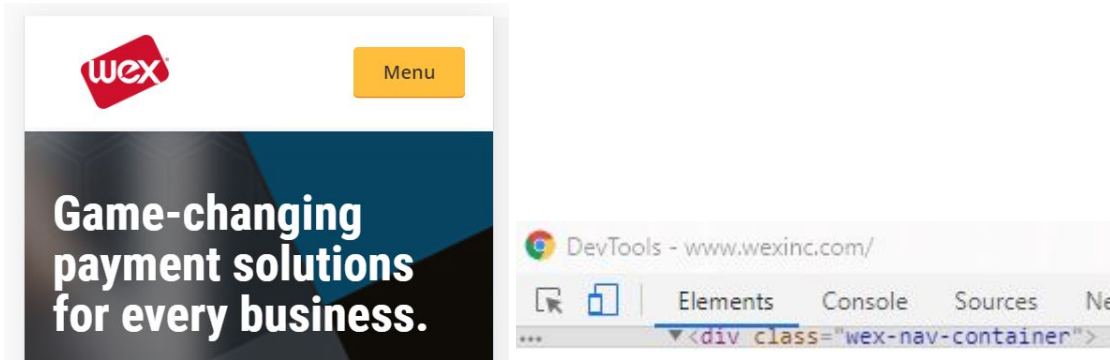


## Not Found

The requested URL was not found on this server.

That's can't be said it is an error, but a fault. The special character can be removed to works fine. In addition the function "search" could be available in main menu, because the item is hide when the screen window change to other smaller device

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**Second Case**

**Works as expected**

In this case, we can see the system works right.

