

**Shoes.ca automation Report**

**http://www.shoes.com/**

**9/26/2016**

Contents:

[Executive Summary: 3](#_Toc462388113)

[Objective: 3](#_Toc462388114)

[Test Description: 3](#_Toc462388115)

[Browsers and Devices: 3](#_Toc462388116)

[List of Defect Categories: 3](#_Toc462388117)

[List of Severity Types: 4](#_Toc462388118)

[Appendix I – Test case Details 5](#_Toc462388119)

[Functionality 5](#_Toc462388120)

[Challenge and benefit of Automation Test : 11](#_Toc462388121)

[Appendix II Test Result: 12](#_Toc462388122)

# Executive Summary:

A test pass of the [**http://www.shoes.com/**](http://www.shoes.com/)website was conducted by PQA. The tests carried out were exploratory in disposition with the sole focus of providing status on the website's quality as well as demonstrating the value added services offered by PQA.

# Objective:

The central objective of this testing exercise was to demo how the automation testing can be helped in the testing of a website, as well as to provide an organized listing of the same. The report is presented in such a way that the stakeholders will be able to access the quality of the website and find or fix errors as deemed suitable. PQA’s intention was to flag any potential issues in absence of documented requirements in order for the client to have a chance to review and discard if necessary.

# Test Description:

PQA opted to conduct session-based exploratory testing exercise of an exploratory nature, in exclusion of requirements and specific domain knowledge. The goal was to investigate potential content and design issues, along with inconsistencies of other types. An attempt was made to assess the severity of the bugs uncovered, as there was limited knowledge of requirements and needs, a reduced severity matrix was prepared. It is recommended that the discovered bugs will have to be re-triaged once the clients receive and reviews this report. The severity levels generally depend on the requirement and triaging needs as outlined by the stakeholders.

# Browsers and Devices:

**List of devices and browsers used for testing the site:**

|  |  |
| --- | --- |
| **DESCRIPTION** | |
| **Desktop Functional Cross Browser Testing** | |
| IE | 11 |
| Chrome | Version 52 |
| Firefox | Version 47 |
|  |  |

# List of Defect Categories:

|  |  |
| --- | --- |
| **Defect Categories** | **Examples** |
| Content | Verifying that text and visual content is accurate |
| Design and Usability | Suggestions/questions about design decisions, consistent branding or usability |
| Functionality | Features of the site work as a user would expect |
| Layout | Verifying that all content is laid out correctly (ie. No unexpected gaps) |
| Navigation | All links should send the user to the expected page |

# List of Severity Types:

Standard definitions, gathered from *http://softwaretestingfundamentals.com/defect-severity/*

|  |  |
| --- | --- |
| **Severity Type** | **Descriptions** |
| Major | The defect affects major functionality or major data. It has a workaround but is not obvious and is difficult. Example: A feature is not functional from one module but the task is doable if 10 complicated indirect steps are followed in another module/s |
| Minor | The defect affects minor functionality or non-critical data. It has an easy workaround. Example: A minor feature that is not functional in one module but the same task is easily doable from another module. |

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# Appendix I – Test case Details

## Functionality

|  |  |  |  |
| --- | --- | --- | --- |
| **ID: 1 Login/out** | Test the login and logout function of the website. | | |
| **Category** | Functionality - Login | **Test Tools** | Selenium, Java, Chrome |
| **Description** | There are two test cases in this test.   1. Automation test login, logout with valid username and password. 2. Automation test login, logout with invalid username and password. | | |
| **Steps** | 1. Go to <http://www.shoes.com/> 2. Click the “Sign in” menu. 3. Input username “hiend@yeah.net” and password “10011001”. 4. Click “Login” button. 5. Verify login status. 6. Repeat step 1-4 with username “aa” and passoword “11”. 7. Click “Login” button. 8. Verify login status.   **Actual Behavior:** Login successfully. Had validation information when input invalid login information and not login.  **Expected Behavior:** Login successful when give valid information. Gave validation information when input invalid login information and not login. | | |
| **Screenshots** |  | | |
| **Video Link** | https://puu.sh/roTcX/04b3e8427e.mp4 | | |

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| --- | --- | --- | --- |
| **ID: 2 Search of Shoes** | Test the search shoes function of the website. | | |
| **Category** | Functionality - Search | **Test Tools** | Selenium, Java, Firefox |
| **Description** | There are two test cases in this test.  Automation test search shoes and check the result. | | |
| **Steps** | 1. Go to <http://www.shoes.com/> 2. Sign in as customer as username “hiend@yeah.net” and password “10011001” 3. Input “Men's Moab Ventilator” to the search input. 4. Click “Search” button. 5. Verify search status.   **Actual Behavior:** Search “Men’s Moab Ventilator” shoes, find correct shoes.  **Expected Behavior:** Search and find correct shoes to displayed. | | |
| **Screenshots** |  | | |
| **Video Link** | https://puu.sh/roTot/24cecda3ab.mp4 | | |

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| --- | --- | --- | --- |
| **ID: 3 Add shoes to My bag** | Test “Make An Order- Add Products to My bag” functionality of the website | | |
| **Category** | Functionality - Search | **Test Tools** | Selenium, Java, Firefox |
| **Description** | There are three test cases in this test.  Automation test filters the shoes, Shows the List of shoes, Select the shoes and Verify the items added to the bag | | |
| **Steps** | 1. Go to <http://www.shoeme.ca/> 2. Click on Women Menu item. 3. Click on Shop All Women Shoes. 4. Filter by Size as “10”, Width as “medium”, brand as “Adidas”, Sub category as “Running Shoes” and color as “grey”, “black” and “pink”. 5. Add Each filtered shoes to bag. 6. Go to “My Bag” page. 7. Compare Each name and Price of the Items added to the bag before and items shown on My Bag page     **Actual Behavior:** Filter shoes and add them to My bag before check out  **Expected Behavior:** Shoes gets filtered and are added to My bag before check out | | |
| **Screenshots** |  | | |
| **Video Link** | https://puu.sh/rjYq5/[db851d8e87](https://puu.sh/rjYq5/db851d8e87.mp4).mp4 | | |

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| --- | --- | --- | --- |
| **ID: 4 Add Shoes to Wish List** | Test “Make An Order- Add Products to My Wish List” functionality of the website | | |
| **Category** | Functionality - Search | **Test Tools** | Selenium, Java, Firefox |
| **Description** | There are three test cases in this test.  Automation test filters the shoes, Shows the List of shoes, Select the shoes and Verify the items added to the My Wish List | | |
| **Steps** | 1. Go to <http://www.shoeme.ca/> 2. Click on Women Menu item. 3. Click on Shop All Women Shoes. 4. Filter by Size as “10”, Width as “medium”, brand as “Adidas”, Sub category as “Running Shoes” and color as “grey”, “black” and “pink”. 5. Add Each filtered shoes to My Wish List. 6. Go to “My Wish List” page. 7. Compare Each name and Price of the Items added to the Wish List before and items shown on My Wish List page     **Actual Behavior:** Filter shoes and add them to My Wish List  **Expected Behavior:** Shoes gets filtered and are added to My Wish List | | |
| **Screenshots** |  | | |
| **Video Link** | <https://puu.sh/rk3R4/b5d6d75aea.mp4> | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **ID: 5 Filter Shoes** | Test the filter shoes function of the website. | | |
| **Category** | Functionality - Filter | **Test Tools** | Selenium, Java, Firefox |
| **Description** | The test cases in this test.  Automation test Filter shoes and check the result. | | |
| **Steps** | 1. Go to <http://www.shoes.com/> 2. Sign in as customer as username “hiend@yeah.net” and password “10011001”. 3. Navigation to “Women”. 4. Select “Boots”. 5. Select size “8.5” as Filter key. 6. Verify search status.   **Actual Behavior:** All 8.5 shoes have been filter to displayed.  **Expected Behavior:** Filter all the size of 8.5 shoes and displayed. | | |
| **Screenshots** |  | | |
| **Video Link** | https://puu.sh/roTDt/ce26570808.mp4 | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **ID:6 Navibar** | Test the Navibar function of the website. | | |
| **Category** | Functionality - Navibar | **Test Tools** | Selenium, Java, Firefox |
| **Description** | The test cases in this test.  Automation test Navibar and check the result. | | |
| **Steps** | 1. Go to <http://www.shoes.com/> 2. Sign in as customer as username “hiend@yeah.net” and password “10011001”. 3. Navigation to “Women’s”. 4. Select “Boots” sub menu. 5. Check the page.   **Actual Behavior:** Navigation to men’s waterproof shoes page.  **Expected Behavior:** Navigation to men’s shoes and in the category of waterproof. | | |
| **Screenshots** |  | | |
| **Video Link** | https://puu.sh/roTNQ/087411c92d.mp4 | | |

## Challenge and benefit of Automation Test:

Manual software testing is performed by a human sitting in front of a computer carefully going through application screens, trying various usage and input combinations, comparing the results to the expected behavior and recording their observations. Manual tests are repeated often during development cycles for source code changes and other situations like multiple operating environments and hardware configurations.

An automated testing tool is able to [playback pre-coded and predefined actions](https://smartbear.com/product/testcomplete/features/automated-test-recording-engine/), compare the results to the expected behavior and report the success or failure of these manual tests to a test engineer. Once automated tests are created they can easily be repeated and they can be extended to perform tasks impossible with manual testing. Because of this, automated software testing can be an essential component of successful development projects.

In this EPT automation test, we coded 6 test cases to test 6 main functionalities of the system, it takes one time to code but can be used after in anytime. It only takes less than 5 minutes to running the whole test suite which mean, it only takes 5 minutes’ developer will know will it be any defect or issue after they modified their code without tester manually support.

As this project finished, we can have concluded automated software testing have the benefit for this website are below:

1. Automated Software Testing Saves Time and Money if shoes.ca can including automation in their project.
2. Vastly Increases their Test Coverage for if given time test case be covered almost every little function on the website.
3. Automated test case be run on multiple computers with different configurations which can be really help this website to improve the compatibility.
4. Testing Improves Accuracy
5. Automation Does What Manual Testing Cannot like simulate perform a controlled web application test with thousands of users. in this case we didn’t perform any pressure testing yet, but with the automation test case it will be pretty easy to simulate thousands of users to have that pressure test in the future.

As we can see from this EPT test, automation can improve the development process of a software product in many cases. The automation of tests is initially associated with increased effort, but the related benefits will quickly pay off.

# Appendix II Test Result:

