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| **Test Case Title** | Auto Complete Suggestion for Staples Search |
| **Description** | As a User I should be able to search for any items in Staples and list should suggest a list based ont |
| **Pre-requisites** | Web page is displayed and search input is available |
| **Tool used to track User story /BLI/Test ID** | [Link](https://sapjira.wdf.sap.corp/browse/MDK-3627) to the user story |
| **Automation Test Suite** | Automation Test Suite which covers the tests is  <https://github.com/annjacob1999/AutoCompleteSuggestions/blob/master/AutoCompleteSuggestions/src/test/java/Features/AutoCompletionSuggestions.feature> |

**Test Case Details**

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| **Test Case Description** | | | | **Test Protocol** |
| **Step number** | **Description** | **Additional Data** | **What to check / Expected Result** | **Tools** |
| 1 | **Autocomplete suggestions should do spell check and suggest best matching terms**  Input the data in the data in the search field | prnter  printers  printer’s | Suggestions” should suggest the best matching word printer and bring a suggested list with word printer | Fail  UI Validation  Selenium/Cucumber/Java  Automated |
| 2 | **Autocomplete suggestions with list filtering with 2 characters**  Input the data in the data in the search field | pr | Suggestions provided should suggest the best matching with words starts with pr , pr (Auxillary Data )should be bold for list suggested terms. | UI Validation  Selenium/Cucumber/Java  Automated |
| 3 | **Autocomplete suggestions with list filtering with 2 characters and the maximum number of terms returned**  Input the data in the data in the search field | pr | List should not have more than 10 items for suggested terms. | UI Validation  Selenium/Cucumber/Java  Automated |
| 3 | **Auto Suggestion should support past searches**  Input the data in the data in the search field and press Enter and then click on the Search field | Printer  Paper | The list should have history of searched terms when clicked on the search input text field | UI Validation  Selenium/Cucumber/Java |
| 4 | **Auto suggestion should suggest departments/ sections where the same word has different type of items or same items in different departments**  Input the data in the data in the search field | Pr | The list should suggest the following along with other suggestions  printer  In all department  In printers  In Copiers | UI Validation  Selenium/Cucumber/Java |
| 5 | **Keyboard can be used to navigate through the suggested terms**  Input the data in the data in the search field and press the down arrow with keyboard | pr | the user can navigate through the list and the item is underlined on focus and is a hyperlink | Usability  Selenium/Cucumber/Java |
| 6 | **Autocompletion suggestion is based on the best suggestions on the algorithm used by the website**  Input the data in the data in the search field | printer | suggest list with word “printer” with items popular like ‘hp printer’ | Usability  Selenium/Cucumber/Java |
| 7 | **Autocomplete suggestion with Cross browser testing (safari, chrome ,firefox etc)**  Repeat Step 1 to 6 |  | All tests should pass from 1 to 6 | Compatibility testing    Selenium WebDriver /Cucumber/Java |
| 8 | **Auto suggestion completion brings the same characters**  Input the data in the data in the search field | k  K | The list should be the same | UI Validation  Selenium/Cucumber/Java |
| 9 | **Autosuggestion completion list is filtered on the input entries** | P  Pr  Pri  Prin  Printer | With P first list should have different items in the list starting with “p” and “paper” is the most suggested word and is shown with different department sections  With Pr the list is filtered again with suggested values pri and most suggested word is printer  With pri the list is filtered again with suggested values pirin and most suggested word is printer and list again filtered and the 10 items displayed mostly contains the word printer  the list is filtered again with suggested values “printer” and most suggested word is printer and list again filtered and the 10 items displayed contains the word printer | UI Validation  Selenium/Cucumber/Java |
| 10 | **Autocompletion suggestion and after selecting a value form the list and pressing the enter key .the page is refreshed with selection**  Input the data in the data in the search field | Printer  And select hp printer | The Web page should be displayed with “hp pritners “ | API testing with postman |
| 11 | **Auto complete suggestion should filter list with less than 200 ms** | <https://www.staples.com/printer/directory_pr?>  <https://www.staples.com/printer/directory_pri?>  <https://www.staples.com/printer/directory_prin?> | Measure each call | Performance use Jmeter with Api test with search query |
| 12 | **Auto complete suggestions work with backspace and returns the same items as before with same search terms**  Input the data in the data in the search field | Type ‘pr’ keep a note on the list items and continue typing ‘inter’, and then backspace to pr | the list should return same items | UI Validation  Selenium/Cucumber/Java |
| 13 | **Auto complete suggestion works with special characters like @**  Input the data in the data in the search field | @printer | List brings the same suggestions for printer | UI Validation  Selenium/Cucumber/Java |
| 14 | **Auto complete suggestion works with numeric numbers**  Input the data in the data in the search field | 123 | the list suggests the items starting with 123 | UI Validation  Selenium/Cucumber/Java |
| 15 | **Auto complete suggestion for numeric values and selection works**  Input the data in the data in the search field | 123 | list suggests the items starting with 123 and select 123 battery , the page return 123 battery  (48 items) | API testing with Postman |
| 16 | **Auto Complete suggestion the Past search is also limited to 10 entries in list**  Input the data in the data in the search field and press enter | Printer  Paper  Desktop  Mouse  List  Staples  Swiffer  M  AAA  A  123 | The list should show only 10 entries in Past Search | UI Validation  Selenium/Cucumber/Java |
| 17 | **The Auto Complete suggestion list and navigation with keyboard picks the value of the selection and the list remains the same**  Input the data in the data in the search field | Printer | The Search box should show the item picked , but the list is not refreshed with new suggestions | UI Validation  Selenium/Cucumber/Java |
| 18 | **Auto completion suggestion list shows the bottom section with images and hyperlinks based on the input entered**  Input the data in the data in the search field | Paper | the bottom of the list shows the images and hyperlink to Paper and Stationery Product section | UI Validation  Selenium/Cucumber/Java |

**Change Log of test , It has to be ensured that it is known, which version has been valid at which point in time.**

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| **Version** | **Date** | **Status** | **Changed by** | **Change** |
| 1.0 | 04.13.2019 | Initial tests | Ann Jacob |  |
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