Software Quality Assurance

Test Results

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| --- | --- | --- |
| Name | ID | Features |
| Mariam Mohamed Ibrahim | 155654 | Search jobs  Edit Profile (Professional, Education, Profile Summary)  Add to cart  Remove from cart |

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| **Test Case ID:** TC\_EDITPROFILEPROFESSIONALSECTION\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Edit Profile Professional Section | **Test Execution date:** 25/5/2021 |
| **Description:** User can edit professional section in his profile, which he should fill some information to show how much he is professional in his work. At creating account, he filled some info which was saved in this section, in this test case, he will edit it. This test case tests if after filling all fields with the right/valid answers, it will successfully edit information or no. |  |
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| **Pre-conditions:** Saved on the system that the user has account, and some information of this form is already saved in the database. | |
| **Dependencies:** Depends on user login | |

Selenium IDE and Selenium Web Driver are divided into sections because in this test case, some steps are increased in the Selenium Web Driver.

Selenium IDE:

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| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Open selenium IDE, make the base url <https://www.naukrigulf.com/> to navigate to it |  | industryType value = IT - Software Services | industryType value = IT - Software Services | Pass | 1. Selenium ide is very slow in choosing option from dropdown menu. |
|  | Click on “start recording” button |  |
|  | Maximize the size of the browser |  |
|  | click on view and edit profile button |  |
|  | click on professional button |  |
|  | click on edit icon |  |
|  | In the “Total Work Experience” first field, clear it |  |
|  | enter years number in “Total Work Experience” first field | 3 |
|  | In the “Total Work Experience” second field, clear it |  |
|  | enter months number in Total Work Experience second field | 7 |
|  | Click on “Industry Type” drop down menu |  |
|  | in “Industry Type” drop down menu, select IT - Software services option | IT - Software services |
|  | Click on in functional Area drop down menu |  |
|  | in functional Area drop down menu, choose ERP / CRM (IT Software) option | ERP / CRM (IT Software) |
|  | in Current Work Level, which is button should be clicked to edit it and click another button, click already appeared button |  |
|  | Click on the button of work level attribute. So other options will appear. |  |
|  | click on "Managerial level" button | Managerial level |
|  | Click on monthly salary drop down menu |  |
|  | in monthly salary drop down menu, select Saudi Riyal option | Saudi Riyal |
|  | In the monthly salary second field, clear it |  |
|  | In the monthly salary second field, write 4000 | 4000 |
|  | In the “availability to join” field, click on the button of it. So other options will appear. |  |
|  | Click “3 months” button | 3 Months |
|  | Click on “save” button |  |
|  | Click on “edit” button again, to check value of “industry” attribute |  |
|  | Click on stop recording |  |
|  | Check value of “industry” attribute |  |

Selenium Web Driver:

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| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | industryType value = IT - Software Services  and salaryAmt = 4000  and Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” is displayed in the page | industryType value = IT - Software Services  and salaryAmt = 4000  and Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” is displayed in the page | Fail  Because selenium web driver couldn’t read the values correctly. Although when I print it, it is the same that I expected. | 1. In this website, the dropdown menu isn’t normal, it doesn’t have in its options <select> tag, so it couldn’t make it by the way that the lab teaches us. I tried many ways until I tried this way to solve it. Using mouse commands. 2. Clicking any where in the form and pressing F2 several times was my idea to pin the answer. So that the options menu doesn’t appear anymore, so that the next field don’t get the error “element intercepted”. 3. It is faster than selenium IDE |
|  | Wait 20 seconds |  |
|  | Maximize the size of the browser |  |
|  | click on view and edit profile button |  |
|  | click on professional button |  |
|  | click on edit icon |  |
|  | In “Total Work Experience” first field, clear it |  |
|  | enter years number in “Total Work Experience” first field | 3 |
|  | In “Total Work Experience” second field, clear it |  |
|  | enter months number in Total Work Experience second field | 7 |
|  | in “Industry Type” drop down menu, click on the dropdown menu. |  |
|  | type “IT –”, so the options of IT appear. |  |
|  | press “arrow down” keyboard three times. |  |
|  | press “enter” keyboard. | IT - Software services |
|  | Press “F2” keyboard three times. |  |
|  | click anywhere in the form. |  |
|  | Wait 20 seconds |  |
|  | Click functional Area dropdown menu |  |
|  | type “IT Software”, so the options of IT Software appear. |  |
|  | press “arrow down” keyboard two times. |  |
|  | press “enter” keyboard. | ERP / CRM (IT Software) |
|  | Press “F2” keyboard three times. |  |
|  | click anywhere in the form. |  |
|  | Wait 50 seconds |  |
|  | in Current Work Level, which is button should be clicked to edit it and click another button, click already appeared button |  |
|  | Wait 20 seconds |  |
|  | click on "Managerial level" button | Managerial level |
|  | Click on monthly salary drop down menu |  |
|  | in monthly salary drop down menu, click it |  |
|  | press “arrow down” keyboard two times. To select Saudi Riyal option |  |
|  | press “enter” keyboard. | Saudi Riyal |
|  | Press “F2” keyboard three times. |  |
|  | In the monthly salary second field, clear it |  |
|  | In the monthly salary second field, write 4000 | 4000 |
|  | In the “availability to join” field, click on the button of it. So other options will appear. |  |
|  | Wait 2 seconds until other buttons appear |  |
|  | Click “3 months” button | 3 Months |
|  | Click on “save” button |  |
|  | Click on “edit” button again, to check value of “industry” attribute |  |
|  | Check value of “industry” attribute and value of salary amount |  |
|  | Click save button again |  |  |  |  |  |

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| **Post-conditions:**   * New information will be saved in the database. * Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” | |
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| **Test Case ID:** TC\_EDITPROFILEEDUCATIONSECTION\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Edit Profile Education Section | **Test Execution date:** 25/5/2021 |
| **Description:** User can add education information in his profile, which he should fill some information about his education. This test case tests if after filling all required fields with valid information, it will add the information successfully or not. |  |
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| **Pre-conditions:** Saved on the system that the user have account. | |
| **Dependencies:** Depends on user login | |

Selenium IDE and Selenium Web Driver are divided into sections because in this test case, some steps are increased in the Selenium Web Driver.

Selenium IDE:

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Open selenium IDE, make the base url <https://www.naukrigulf.com/> to navigate to it |  | passingYear value = 2021 | passingYear value = 2021 | Pass | 1. Selenium ide is very slow in choosing option from dropdown menu. |
|  | Click on “start recording” button |  |
|  | Maximize the size of the browser |  |
|  | click on view and edit profile button |  |
|  | click on education button |  |
|  | Click on add button |  |
|  | In “Qualification” drop down menu, click on it |  |
|  | In “Qualification” drop down menu, choose “Basic (Bachelors/Diploma/School)” | Basic (Bachelors/Diploma/School) |
|  | In “course” drop down menu, click it |  |
|  | In “course” drop down menu, choose “Secondary School” option | Secondary School |
|  | In “Specialization” drop down menu, click it |  |
|  | In “Specialization” drop down menu, choose “Academic / General” option | Academic / General |
|  | In “University / Institute” field, click it |  |
|  | In “University / Institute” field, enter “BUE” | BUE |
|  | In “Institute Location”, click it |  |
|  | In “Institute Location”, type “Egypt” so it can appear in the first option. |  |
|  | In “Institute Location”, choose “Egypt” | Egypt |
|  | In “Passing Year” field, click it |  |
|  | In “Passing Year” field, enter 2021 | 2021 |
|  | Click “save” button |  |
|  | Click “edit” button to check about attribute value |  |
|  | Click on stop recording |  |
|  | Assert that passingYear value = 2021 |  |

Selenium Web Driver:

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | passingYear value = 2021  and “remove the education” button is enabled  and Popup in the left bottom of the page appear for 2 seconds saying “Details updated successfully!” is displayed in the page | passingYear value = 2021  and “remove the education” button is enabled  and Popup in the left bottom of the page appear for 2 seconds saying “Details updated successfully!” is displayed in the page | Fail  Because selenium web driver couldn’t read the values correctly. Although when I print it, it is the same that I expected. | 1. In this website, the dropdown menu isn’t normal, it doesn’t have in its options <select> tag, so it couldn’t make it by the way that the lab teaches us. I tried many ways until I tried this way to solve it. Using mouse commands. 2. Clicking any where in the form and pressing F2 several times was my idea to pin the answer. So that the options menu doesn’t appear anymore, so that the next field don’t get the error “element intercepted”. 3. It is faster than selenium IDE |
|  | Maximize the size of the browser |  |
|  | Wait 10 seconds |  |
|  | click on view and edit profile button |  |
|  | click on education button |  |
|  | Click on add button |  |
|  | Wait 50 seconds |  |
|  | In “Qualification” drop down menu, click on it |  |
|  | In “Qualification” drop down menu, type “Basic” |  |
|  | In “Qualification” drop down menu, press arrow down mouse to choose “Basic (Bachelors/Diploma/School)” |  |
|  | In “Qualification” drop down menu, press enter two times | Basic (Bachelors/Diploma/School) |
|  | In “Qualification” drop down menu, Press F2 keyboard key 3 times |  |
|  | click any where in the education form to pin the answer two times |  |
|  | Wait 50 seconds |  |
|  | In “course” drop down menu, click it |  |
|  | In “course” drop down menu, click arrow down key two times to choose “Secondary School” option |  |
|  | In “course” drop down menu, press enter key | Secondary School |
|  | In “course” drop down menu, press F2 key three times |  |
|  | Click anywhere in the form |  |
|  | Wait 70 seconds |  |
|  | In “Specialization” drop down menu, click it |  |
|  | In “Specialization” drop down menu, press arrow down key to choose “Academic / General” option |  |
|  | In “Specialization” drop down menu, press enter | Academic / General |
|  | In “Specialization” drop down menu, press F2 three times |  |
|  | In “Specialization” drop down menu, wait 50 seconds |  |
|  | In “University / Institute” field, enter “BUE” | BUE |
|  | In “Institute Location”, click it |  |
|  | In “Institute Location”, type “Egypt” so it can appear in the first option. |  |
|  | In “Institute Location”, click arrow down key to choose “Egypt” |  |
|  | In “Institute Location”, press enter key | Egypt |
|  | In “Institute Location”, press F2 key three times |  |
|  | Wait 50 seconds |  |
|  | In “Passing Year” field, enter 2021 | 2021 |
|  | Click “save” button |  |
|  | Wait 50 seconds |  |
|  | Click “edit” button to check about attribute value |  |
|  | Check that passingYear value = 2021 and “remove the education” button is enabled |  |
|  | Click save button again |  |

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| **Post-conditions:**   * New information will be saved in the database. * Popup in the left bottom of the page appear for 2 seconds saying “Details updated successfully!” | |
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| **Test Case ID:** TC\_EDITPROFILEPROFILESUMMARYSECTION\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** Medium | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Edit Profile Profile Summary Section | **Test Execution date:** 25/5/2021 |
| **Description:** User can edit his profile summary section by writing some information in the field. This test case checks if after writing a sentence in this field, it will update this section successfully or not. |  |
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| **Pre-conditions:** Saved on the system that the user have account. | |
| **Dependencies:** Depends on user login | |

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | Selenium IDE: text of element is not “999 characters remaining” because that means that I didn’t write anything.  Selenium web driver: text of Profile Summary field contains “Software Qualityy assurance, Hard Worker”  and text of element is not “999 characters remaining” because that means that I didn’t write anything.  And Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” is displayed in the page | Selenium IDE: text of element is not “999 characters remaining”  Selenium web driver: text of Profile Summary field contains “Software Qualityy assurance, Hard Worker”  and text of element is not “999 characters remaining” because that means that I didn’t write anything.  And Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” is displayed in the page | Pass in both Selenium IDE and web driver |  |
|  | Maximize the size of the browser |  |
|  | click on view and edit profile button |  |
|  | click on Profile Summary button |  |
|  | click on edit icon |  |
|  | In the Profile Summary field, type “Software Qualityy assurance, Hard Worker” | Software Qualityy assurance, Hard Worker |
|  | Click save button |  |
|  | Check that the text of Profile Summary field contains “Software Qualityy assurance, Hard Worker” |  |

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| **Post-conditions:**   * New information will be saved in the database. * Popup in the left bottom of the page appear for 2 seconds saying “Profile updated successfully!” | |
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| **Test Case ID:** TC\_LOGIN\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Log In | **Test Execution date:** 25/5/2021 |
| **Description:** User can log in by filling his/her email and password, this test case checks if after filling the correct email and password the user will be able to login successfully or not by checking if the element of “Mariam Mohamed” appeared after log in in the page or no. |  |
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|  |  |
| **Pre-conditions:** Saved on the system that the user have account. | |
| **Dependencies:** Nothing | |

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | "Mariam Mohamed" element is displayed in the page | "Mariam Mohamed" element is displayed in the page | Pass in both Selenium IDE and web driver |  |
|  | Maximize the size of the browser |  |
|  | click on login button on the navigation bar |  |
|  | In email field, enter “mariammohamed3799@gmail.com” | mariammohamed3799@gmail.com |
|  | In password field, enter “37993799” | 37993799 |
|  | Click “Login” button |  |
|  | check if "Mariam Mohamed" element is displayed in the page or no |  |

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| **Post-conditions:**   * User page will appear. * System saves that this user is logged in right now and creates session. | |
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| **Test Case ID:** TC\_ADDTOCARTVISUALRESUME\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Add to cart | **Test Execution date:** 25/5/2021 |
| **Description:** User can choose to write his cv as visual resume and choose the experience level and add it in the cart. This test case tests if after choosing the type of cv and choosing the experience level and clicking on buy, it will be successfully added to the cart or no. |  |
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|  |  |
| **Pre-conditions:** Items are available in the system. | |
| **Dependencies:** Nothing | |

Selenium IDE and Selenium Web Driver are divided into sections because in this test case, some steps are increased in the Selenium Web Driver.

Selenium IDE:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Open selenium IDE, make the base url <https://www.naukrigulf.com/> to navigate to it |  | Text Resume (Standard) for Gulf (0 to 3) element is in cart page | Text Resume (Standard) for Gulf (0 to 3) element is in cart page | Pass | There is a problem in hovering in selenium IDE |
|  | Click on “start recording” button |  |
|  | Maximize the size of the browser |  |
|  | Click on services button in the navigation bar |  |
|  | Click on visual resume button | visual resume |
|  | Scroll down to the element of choosing experience level and buying |  |
|  | In the experience level drop down menu, click it |  |
|  | In the experience level drop down menu, choose “0-3 Years Experience” | 0-3 Years Experience |
|  | Click “add to cart” button |  |

Selenium Web Driver:

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to <https://www.naukrigulf.com/> |  | "Visual for Entry level for Gulf (0-3 years)" element is displayed  and "Gulf value pack" element is displayed  and "make payment" button is enabled | "Visual for Entry level for Gulf (0-3 years)" element is displayed  and "Gulf value pack" element is displayed  and "make payment" button is enabled | Fail. Selenium web driver didn’t complete the testing. | Selenium web driver can’t find entry level/experience drop down list and can’t find add to cart button.  “no such element: unable to locate element” error appeared. I tried everything to solve it. |
|  | Wait 10 seconds |  |
|  | Maximize the size of the browser |  |
|  | Hover on services button in the navigation bar |  |
|  | Click on visual resume option | visual resume |
|  | Wait 60 seconds |  |
|  | Wait 30 seconds |  |
|  | Scroll to 0,277 |  |
|  | Scroll until viewing “buy now” button which is at the bottom of the page |  |
|  | Wait 20 seconds until “buy now” button appear |  |
|  | In the experience level drop down menu, click it |  |
|  | In the experience level drop down menu, press arow up key to choose “0-3 Years Experience” |  |
|  | In the experience level drop down menu, press enter key | 0-3 Years Experience |
|  | In the experience level drop down menu, press F2 key three times |  |
|  | Click “buy now” button |  |
|  | Check if "Visual for Entry level for Gulf (0-3 years)" element is displayed  and "Gulf value pack" element is displayed and "make payment" button is enabled |  |

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| **Post-conditions:**   * Text Resume (Standard) for Gulf (0 to 3) item is successfully added in the cart | |
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| **Test Case ID:** TC\_REMOVEFROMCART\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 23/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Remove from cart | **Test Execution date:** 25/5/2021 |
| **Description:** User can remove the items in his/her cart. This test case tests if after the user clicks on remove under the item he/she want to remove, it will be removed successfully or no. |  |
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|  |  |
| **Pre-conditions:** Saved on the system that the user’s IP address have at least one item in the cart. | |
| **Dependencies:** Nothing | |

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| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Execute add to cart test first |  | Selenium IDE: the element is written on it “There are no items in this cart”  Selenium Web driver: The element is written on it There are no items in this cart and "make payment" button is NOT enabled | Selenium IDE: the element is written on it “There are no items in this cart”  Selenium Web driver: The element is written on it There are no items in this cart and "make payment" button is NOT enabled | Pass in Selenium IDE.  Fail in Selenium web driver since it didn’t complete the testing. | Selenium web driver can’t find cart button.  “no such element: unable to locate element” error appeared. I tried everything to solve it. |
|  | Navigate to https://www.naukrigulf.com/ |  |
|  | Maximize the size of the browser |  |
|  | Click on services button at the navigation bar |  |
|  | Click on cart icon |  |
|  | Click on remove button under "Visual for Entry level for Gulf (0-3 years)" item that I want to remove. |  |
|  | Check if the element is written on it There are no items in this cart and "make payment" button is NOT enabled |  |

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| **Post-conditions:**   * Item removed successfully | |
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| **Test Case ID:** TC\_SEARCHJOB\_1 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 2/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Search Job, positive | **Test Execution date:** 25/5/2021 |
| **Description:** Jobseeker can search for his desired jobs with specific specifications he/she would be like. This test case tests if after filling all the search fields with correct/valid inputs, the system will accept it and return search results or no. |  |
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| **Pre-conditions:** Nothing | |
| **Dependencies:** Nothing | |

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| --- | --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | Selenium IDE: The title of the page is “Software Engineer Jobs in Uae - 1250 Vacancies in May 2021”  Selenium web driver: "Refine Search" element is displayed.  And filter industry type button is enabled  And the title of the page contains “Software Engineer Jobs in Uae” | Selenium IDE: The title of the page is “Software Engineer Jobs in Uae - 1250 Vacancies in May 2021”  Selenium web driver: "Refine Search" element is displayed.  And filter industry type button is enabled  And the title of the page contains “Software Engineer Jobs in Uae” | Pass in both selenium ide and web driver | Selenium web driver don’t assert correctly if the page title is same as I expected. |
|  | Maximize the size of the browser |  |
|  | user clicks on search bar. |  |
|  | In the first field, which is “Keywords”, user enters “software engineer” | software engineer |
|  | In “Location” field, user enters “UAE”. | UAE |
|  | In the “Work Experience”, which is an optional field, user selects from the drop box “2 Years”. | 2 Years |
|  | User clicks on “Search Jobs” button. |  |

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| **Post-conditions:**   * System navigates and shows software engineer jobs in UAE page. | |
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| **Test Case ID:** TC\_SEARCHJOB\_2 | **Test Designed by:** Mariam Mohamed |
| **Test Priority (Low/Medium/High):** High | **Test Designed date:** 2/5/2021 |
| **Module Name:** Software Quality Assurance | **Test Executed by:** Mariam Mohamed |
| **Test Title:** Search Job, negative | **Test Execution date:** 25/5/2021 |
| **Description:** Jobseeker can search for his desired jobs with specific specifications he/she would be like. This test case tests if after leaving all required fields empty, the system will alert the user and will not return search results or no. |  |
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|  |  |
| **Pre-conditions:** Nothing | |
| **Dependencies:** Nothing | |

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| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (Pass/Fail) | Notes |
|  | Navigate to https://www.naukrigulf.com/ |  | the element that appeared in the positive search result page is not exists here.  And the title of the page not contains “Software Engineer Jobs in Uae” | the element that appeared in the positive search result page is not exists in this case  And the title of the page not contains “Software Engineer Jobs in Uae”  and  “Keywords” and “Location” fields and labels appeared with red color. | Pass in both selenium ide and web driver |  |
|  | Maximize the size of the browser |  |
|  | user clicks on search bar. |  |
|  | In the first field, which is “Keywords”, user leaves it empty. | empty |
|  | In “Location” field, user leaves it empty. | empty |
|  | In the “Work Experience”, which is an optional field, user leaves it empty. | empty |
|  | User clicks on “Search Jobs” button. |  |

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| **Post-conditions:**   * “Keywords” and “Location” fields and labels appeared with red color. | |
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Findings and analysis from studying the system features and my test cases

* **Selenium IDE**
* So slow in choosing option from dropdown list.
* “Time out” error appeared several times.
* Problem in hovering.
* Some commands selenium IDE add it like “mouse over” is making problems/failures in testing.
* Much easier than selenium web driver.
* Slower in executing testing than selenium web driver.
* All test cases passed.
* Deals better with the problems of bad implementation of the website.
* Implementing test cases in selenium IDE is way faster than implementing it in Selenium web driver.
* **Selenium Web Driver**
* Add to cart and remove from cart test cases failed because of selenium web driver poor quality and bad implementation of the website, because of “**no such element: unable to locate element**” error.
* Edit profile test suite, sometimes it is executed correctly in the run and sometimes it fails.
* Using old version of eclipse caused errors in mouse commands.
* Selenium web driver could not deal with the way that naukrigulf make the drop-down lists. Since this website did not make the drop-down menu in a normal way which the options have <select> tag. Until I thought of using mouse commands to solve this problem.
* I noticed that “enter” key mouse command do not work properly so after choosing option from menu and clicking enter I make it click F2 key three times and click anywhere in the form just to make the list don’t appear anymore because it is intercepting the rest of the fields and make “**element intercepted**” error.
* I just wanted to test if the mouse commands work properly so I tested F2 button (which is decreasing brightness in my laptop) to test if after clicking it three times it will lower the brightness or no, but it did not, so I removed it and noticed that “**element intercepted**” error appeared. So, I kept it. But sometimes, the error is still existing, so I thought of clicking the mouse anywhere in the form.
* By using this way of choosing from dropdown menu, sometimes web driver actually chooses what I wanted, and sometimes it chooses other option.
* Test suites should be done by making all the classes in the test suite without main and just functions and each class will call the driver function of the class that should be executed before it, and last class at the test suite have a main.
* Sometimes, when I compare between the string I expected and the value of an element, title of the page, or text of an element, even though they are the same strings, web driver can not realize that and appear that the test case is failed/incorrect.

**Errors at the Selenium web driver:**

* “**no such element: unable to locate element**” error appeared several times in different test cases. In some test cases I solved this error by using wait time, I kept increasing the wait time until the error is solved, sometimes, I solved it by waiting until the element is visible. In “add to cart” and “remove from cart” it couldn’t be solved, although I tried to solve it by all the ways, I tried finding element by other things than xpath, like cssSelector, ID, and full xpath, wait till the page is loaded, wait till the element is visible, scroll down to some pixels, scroll down till finding the element, choosing another buttons, wait time to small number of seconds, wait time to big number of seconds.
* I solved this error (“**no such element: unable to locate element**”) in search for job classes by using:

WebDriverWait wait = new WebDriverWait(driver, 10);

wait.until( ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[1]/div[2]/main/div[1]/div[1]/div")));

* In “**element intercepted**” error, I solved it by after choosing options from the dropdown menu, I click anywhere in the form so that the list does not appear anymore.
* In “**element not interactable**” error, I solved it by using the full xpath not only the xpath.
* In “**element is not in the page**” error, different than no such element error, it happens in test suites, I solved it by waiting until the page is loaded after finishing test case and begin new test case.