Test report for <https://www.iths.se/ansokan-it-hogskolan/>

Tested iths.se ‘Ansök här’ page in both Chrome and Firefox browsers and the test results are below.

Page Object Pattern is followed while segregating the test cases, methods and base classes.

Created Baseclass.java for the @BeforeAll and @AfterAll to set up the webdriver for Chrome and Firefox browsers.

* Open URL in Chrome and Firefox
* Maximize and scroll window
* Quit browser @AfterAll test cases

Created Fillform.java (Chrome)and FxFillform.java(Firefox) to create methods which will set the identified elements of the form. The following locators were used to identify the elements of the form:

* findElement(By.id)
* findElement(By.xpath)
* findElement(By.cssSelector)

Created Testform.java(Chrome) and FxTestform.java(Firefox) to implement test cases.

Test Case 1:

testCorrectUrl() tests the current URL against <https://www.iths.se/ansokan-it-hogskolan/>.

assertEquals()is used to compare the two URLs.

Result: Test passed.

Test Case 2:

testPageTitle() tests the expected page title of the website against actual title ‘IT-Högskolan – Här startar din IT-karriär!’.

Result: Test passed

Test Case 3:

testEducationDefault() tests the default value of the education dropdown box.

SelectDropdown.getFirstSelectedOption().getText() was used to retrieve the selected text.

assertEquals()is used to compare the two values to check if the default value of the dropdown box is always ‘Välj din utbildning’.

To check for negative case, changed the default value to index 2.

Result: Test failed

Test Case 4:

testGenderSelected() tests the Gender radio button function.

Created gender 1 (Man), gender 2 (Kvinna) webelements to inspect the gender field.

AssertTrue with **isSelected()** is used to check if radio button is selected.

**Result**: Test Failed for radio selection (Man)

Test Passed for radio selection (Kvinna)

Test Case 5:

testPersonalNumber() tests if the personal number field is null. Throw error msg if Null.

assertNull() with getAttribute() of element is used.

Result: Test Failed – When personal number is entered.

Test Case 6:

testFirstName() tests if first name field is not empty.

assertTrue() with firstname.getAttribute("value").**isEmpty()** is used to check if the Name field is not empty.

Result: Test Passed

Test Case 7:

testEmail() tests if a valid email Id is entered.

getAttribute("value").contains("@") is used in assertTrue() to check if @ is present in the email entered by user.

Result: When the test data without @ is given, test failed

Test Case 8:

testPhoneNumber() tests if a valid phone number is entered by checking if there are a minimum if 10 digits.

getAttribute("value").**length()** is used to get the length of the phone number entered and assertTrue() is determined.

Result: Test Failed, when only 9 digits are entered.

Test Case 9:

testSubmitFail() tests if the submit button validates if all mandatory fields are entered.

Set correct values for all fields except one and checked OnClick() of submit button, error message is displayed.

Result: Test Passed

Test Case 10:

testSubmitPass () tests if the submit button validates if all mandatory fields are entered.

Set correct values for all fields . assertEquals() is used to validate success message.

OnClick() of submit button, successful submission of form message is displayed.

Result: Test Passed

Conclusions:

Overall, website <https://www.iths.se/ansokan-it-hogskolan/> is good. Application form page is tested.

However, the website doesn’t check for real time correctness of data entered by database validation

E,g website accepts any fake Personnumer