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| --- | --- |
| Please complete the following assignments (9): | |
| 01. | Install/Upgrade the following browsers: |
|  | [**Google Chrome**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.google.com%2Fchrome%2Fbrowser%2Fdesktop%2Findex.html&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729957852&sdata=37iR02i8hHeV47RnFTupFtb4etjtuaMgcp7te7cT5JI%3D&reserved=0)**[version: 81.0]**  [**Firefox**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.mozilla.org%2Fen-US%2Ffirefox%2Fnew%2F%3Fscene%3D2&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729962844&sdata=p1t%2BkLbkXPh0NDehRjlcJzdIylT2Ss6vLynD%2FVbRtxA%3D&reserved=0)**[version: 75.0]**  [**Microsoft Edge**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.microsoft.com%2Fen-us%2Fedge&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729967839&sdata=xlYBeNvsGR2YcfTqQH1xc0JEqmd9ORypPvdu9qkvon8%3D&reserved=0)**[version: 81.0]**  [**Safari**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.apple.com%2Fsafari%2F&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729972834&sdata=H%2F4fRj%2BA%2BeOM4bqrZ7mfvXoHlhRnq8Y7lQ7wQbEJ4PY%3D&reserved=0)**[version: 13.1]**  **DONE**  . |
| 02. | Install Firefox add-on: |
|  | [**ChroPath for Firefox**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Faddons.mozilla.org%2Fen-US%2Ffirefox%2Faddon%2Fchropath-for-firefox%2F&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729977815&sdata=w0JFSeBtEoXTlco1mu4YF%2FvFPvKoj9jHudw3s7hqHS8%3D&reserved=0) **[version: 5.1.2; Updated: Apr 13, 2020]**  **DONE**  **.** |
| 03. | Install Google Chrome extension: |
|  | [**ChroPath**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fchrome.google.com%2Fwebstore%2Fdetail%2Fchropath%2Fljngjbnaijcbncmcnjfhigebomdlkcjo%3Fhl%3Den&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729982807&sdata=xpxt9yBkLnZcVHeUeRoWLLztZ2N%2FOil7QWOFy%2FusUyg%3D&reserved=0)**[version: 6.0; Updated: Apr 13, 2020]**  [**xPath Finder**](https://eur02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fchrome.google.com%2Fwebstore%2Fdetail%2Fxpath-finder%2Fihnknokegkbpmofmafnkoadfjkhlogph%3Fhl%3Den&data=02%7C01%7Cvbond%40pgpint.com%7C57d61679f3024fac0a8508d7fc7ec4fc%7C39c5be5d25104eee9ca0197a6e89e482%7C1%7C1%7C637255493729992792&sdata=7utfsVloUQ%2B7siuFUiPLP2mnyY7zJ%2BKUVnRtogd6HPY%3D&reserved=0)**[version: 1.0.1; Updated: August 18, 2019]**  **DONE**  **.** |
| 04. | Please convert all use cases (8) into test cases using template below: |

|  |  |
| --- | --- |
|  | **use case** |
| 01 | **Login page title should be: "Facebook - Log In or Sign Up".** |
| 02 | **Login page should contain "Email or Phone" text field.** |
| 03 | **Login page should contain "Password" text field.** |
| 04 | **Login page should contain "Log In" button.** |
| 05 | **Login page should contain copyright text: "Facebook © 2020".** |
| 06 | **User should be able to login using valid credentials [email address and password].** |
| 07 | **User should be able to validate his/her number of friends "XXX".** |
| 08 | **User should be able to successful logout.** |

**Test Case Templates:**

|  |  |  |
| --- | --- | --- |
| **TC-01.01.01** | **Facebook Login page title validation.** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Title: Facebook - Log In or Sign Up |
| 1. Open facebook page: <http://www.facebook.com> | |

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| --- | --- | --- |
| **TC-01.01.02** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Email or Phone text fields should be displayed |
| 1. Open facebook page: <http://www.facebook.com> | |

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| --- | --- | --- |
| **TC-01.01.03** | **Password text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Password text fields should be displayed |
| 1. Open facebook page: <http://www.facebook.com> | |

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| --- | --- | --- |
| **TC-01.01.04** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Log in text fields should be displayed |
| 1. Open facebook page: <http://www.facebook.com> | |

|  |  |  |
| --- | --- | --- |
| **TC-01.01.05** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Copyright text:Facebook © 2020should be displayed |
| 1. Open facebook page: <http://www.facebook.com> | |

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| --- | --- | --- |
| **TC-01.01.06** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Facebook News Feed should be displayed |
| 1. Open facebook page: <http://www.facebook.com> 2. Enter [boldarevvito@gmail.com](mailto:boldarevvito@gmail.com) in Email or Phone text fields 3. Enter password \*\*\*\*\*\*\*\*\*\* in Password text fields 4. SLC on button Log in | |

|  |  |  |
| --- | --- | --- |
| **TC-01.01.07** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Number of Friends  302 should be displayed between About and Photos |
| 1. Open facebook page: <http://www.facebook.com> 2. Enter [boldarevvito@gmail.com](mailto:boldarevvito@gmail.com) in Email or Phone text fields 3. Enter password \*\*\*\*\*\*\*\*\*\* in Password text fields 4. SLC on button Log in 5. SLC on your name (Vitalii Boldarev) in the upper left corner of the screen | |

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| --- | --- | --- |
| **TC-01.01.08** | **Email or Phone text fields validation** |  PassED      BlockED    FailED |
| **PROCEDURE** | | **EXPECTED RESULT** |
| 1. Launch Browser (Google Chrome 81.0) | | Title: Facebook - Log In should be displayed |
| 1. Open facebook page: <http://www.facebook.com> 2. Enter password \*\*\*\*\*\*\*\*\*\* in Password text fields 3. SLC on button Log in 4. SLC on inverted triangle in the upper right corner 5. In appeared dropdown list SLC on Log out | |

|  |  |
| --- | --- |
| 05. | Please generate test data (properties file): |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Data** |  |  |  |
| type | id | input data | example |
|  | 01 | Browser | Chrome; Firefox; Safari, Edge |
|  | 02 | OS | macOS 10.15 |
|  | 03 | Test Scenario ID | TS-01.01 |
|  | 04 | Test Scenario name | Facebook Friends Validation |
| Properties file | 05 | Facebook page title | Facebook - Log In or Sign Up |
|  | 06 | Facebook copyright | Facebook © 2020 |
|  | 07 | Facebook account name | [boldarevvito@gmail.com](mailto:boldarevvito@gmail.com) |
|  | 08 | Facebook password | CLA / Maven Parameter |
|  | 09 | Number of friends to verify | 302 |

|  |  |
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| .006. | Create list of all (9) (participated in testing) html elements (Name, Tag, ID [if exist], XPath) |

**Tag, ID** and/or **XPATH**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **name** | **tag** | **id** | **xpath** |
| 01 | **Page Title** | <title> | N/A | //\*[@id="blueBarDOMInspector"]/div/div/div/div[1]/h1/a/i |
| 02 | **Email or Phone** | <input> | email | **//\*[@id="email"]** |
| 03 | **Password** | <input> | pass | **//\*[@id="pass"]** |
| 04 | **Log In** | <input> | u\_0\_b | **//\*[@id="u\_0\_b"]** |
| 05 | **Copyright** | <span> | N/A | **//\*[@id="pageFooter"]/div[3]/div/span** |
| 06 | **Timeline button** | <span> | N/A | **//\*[@id="u\_0\_a"]/div[1]/div[1]/div/a/span/span** |
| 07 | **Friends button** | <span> | N/A | **//\*[@id="u\_fetchstream\_3\_b"]/li[3]/a** |
| 08 | **Account Settings** | <div> | N/A | **//\*[@id="js\_5h9"]/div/div/ul/li[12]/a/span/span** |
| 09 | **Log Out** | <span> | N/A | **//\*[@id="js\_3of"]/div/div/ul/li[16]/a/span/span** |

**INNER & OUTTER HTML**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **name** | **Inner HTML** | **Outer HTML** |
| 01 | **Page Title** | **Facebook - Log In or Sign Up** | **<i class="fb\_logo img sp\_DVvTt\_Dqodp sx\_b906b8"><u>Facebook</u></i>** |
| 02 | **Email or Phone** | N/A | **<input type="email" class="inputtext login\_form\_input\_box" name="email" id="email"**  **data-testid="royal\_email">** |
| 03 | **Password** | N/A | **<input type="password" class="inputtext login\_form\_input\_box" name="pass" id="pass" data-testid="royal\_pass">** |
| 04 | **Log In** | N/A | **<input value="Log In" aria-label="Log In" data-testid="royal\_login\_button" type="submit" id="u\_0\_b">** |
| 05 | **Copyright** | **Facebook © 2020** | **<span> Facebook © 2020</span>** |
| 06 | **Timeline button** | **Vitalii** | **<span class="\_1vp5">Vitalii</span>** |
| 07 | **Friends button** | **302** | **<a class="\_6-6" data-ft="{&quot;tn&quot;:&quot;-c&quot;}" data-tab-key="friends" href="https://www.facebook.com/vitalii.boldarev.9/friends?lst=100013480544028%3A100013480544028%3A1590361475&amp;source\_ref=pb\_friends\_tl" data-gt="{&quot;type&quot;:&quot;xtracking&quot;,&quot;xt&quot;:&quot;79.{\&quot;app\_label\&quot;:\&quot;friends\&quot;,\&quot;profile\_id\&quot;:100013480544028}&quot;}">Friends<span class="\_gs6">302</span><span class="\_513x"></span></a>** |
| 08 | **Account Settings** | **Settings** | **<span class="\_54nh">Settings</span>** |
| 09 | **Log Out** | **Log Out** | **<span class="\_54nh"><form class="\_w0d \_w0d" action="https://www.facebook.com/login/device-based/regular/logout/?button\_name=logout&amp;button\_location=settings" data-nocookies="1" id="u\_1i\_5" method="post" onsubmit=""><input type="hidden" name="jazoest" value="22065" autocomplete="off"><input type="hidden" name="fb\_dtsg" value="AQGDRGCxyeDg:AQGsDsm224ep" autocomplete="off"><input type="hidden" autocomplete="off" name="ref" value="mb"><input type="hidden" autocomplete="off" name="h" value="AfftwT3QsbxC2Ce2"></form>Log Out</span>** |

|  |  |
| --- | --- |
| 07. | Validate XPath of all visible elements (8), using: xPath Checker and provide the snapshots. |

|  |  |  |
| --- | --- | --- |
|  | **html elements** | **snapshot** |
| 01 | Email or Phone field |  |
| 02 | Password field |  |
| 03 | Log In button |  |
| 04 | Copyright text |  |
| 05 | Timeline button |  |
| 06 | Number of Friends |  |
| 07 | Account Settings drop-down button |  |
| 08 | Log Out button |  |

|  |  |
| --- | --- |
| 08. | Create properties file: ts\_0101.properties |

./ts\_0101.properties

|  |  |
| --- | --- |
| 01 | browser=chrome |
| 02 | test\_scenario\_id=TS-01.01 |
| 03 | test\_scenario\_name="Facebook Friends Validation" |
| 04 | fb\_title="Facebook - Log In or Sign Up" |
| 05 | fb\_copyright="Facebook © 2020" |
| 06 | fb\_username=boldarevvito@gmail.com |
| 07 | fb\_password=\*\*\*\*\*\*\*\*\*\* |
| 08 | fb\_friends=302 |

|  |  |
| --- | --- |
| 09. | Generate Java and maven command line: |
|  | **$** java -cp ./target/HW\_38-1.0.jar core.Firefox ./ts\_0101.properties \*\*\*\*\*\*\*\*\*\*    **$** vn clean site -Dbrowser=Firefox -Dtest\_suite=./ts\_0101.properties -Dpassword=\*\*\*\*\*\*\*\*\*\* |