Test Cases – Ensek Candidate Test webpages

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# **Introduction**

* The purpose of these test cases is to test and validate the functionality of the website by review all dynamically changing texts and any call to action (CTAs) elements on the page. This will capture all the features and behaviours of the page.

# **Scope**

* To validate all know functions of the Ensek candidate test pages
  + ( <https://ensekautomationcandidatetest.azurewebsites.net/> )

# **Notes**

* Add any generally relevant notes here

# **Test Cases**

* This section should provide a set test cases that used in the process of testing specific features and functions

# **Test Case – Ensek | Header | CTAs**

* Test Case ID: TC\_FUNCT\_01
* Description:  
  Ensure all CTAs within the header redirect to the correct page

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | CTA | ExpectedPage |
| 1 | Home button | Landing page |
| 2 | About button | About page (/Home/About) |
| 3 | Contact button | Contact page (/Home/Contact) |
| 4 | Register button | Register page (/Account/Register) |
| 5 | Log in button | Login page (/Account/Login) |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to landing page | Page will be displayed to the user |  |
| 2 | Click {CTA} | {ExpectedPage} will be displayed |  |
| 3 | Click browser back button | Previous page will be displayed |  |

# **Test Case – Ensek | Landing page | CTAs**

* Test Case ID: TC\_FUNCT\_02
* Description:  
  Ensure all CTAs within the landing redirect to the correct page

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | CTA | ExpectedPage |
| 1 | Find out more button | Ensek main homepage (https://ensek.com/) |
| 2 | Buy energy button | Buy energy page (/Energy/Buy) |
| 3 | Sell energy button | Sell energy page (/Energy/Buy) |
| 4 | Learn more button | About page (/Home/About) |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to landing page | Page will be displayed to the user |  |
| 2 | Click {CTA} | {ExpectedPage} will be displayed |  |
| 3 | Click browser back button | Previous page will be displayed |  |

# **Test Case – Ensek | About us page | CTAs**

* Test Case ID: TC\_FUNCT\_03
* Description:  
  Ensure all CTAs within the about us page redirect to the correct page

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | CTA | ExpectedPage |
| 1 | Find out more button | Ensek main about page (https://ensek.com/about) |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to About us page | Page will be displayed to the user |  |
| 2 | Click {CTA} | {ExpectedPage} will be displayed |  |
| 3 | Click browser back button | Previous page will be displayed |  |

# **Test Case – Ensek | Contact page | CTAs**

* Test Case ID: TC\_FUNCT\_04
* Description:  
  Ensure the contact page loads up correctly

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Contact page | Page will be displayed to the user |  |

# **Test Case – Ensek | Register page | Error Validation**

* Test Case ID: TC\_FUNCT\_05
* Description:  
  Ensure validation message is correct for:
  + Empty field
  + When registering with invalid data

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | CTA | ExpectedErrorMessage |
| 1 | Email: Password: Confirmed password: | --The Email field is required. --The Password field is required. |
| 2 | Email: a@ Password: 123 Confirmed password: a | --The Email field is not a valid e-mail address. --The Password must be at least 6 characters long. --The password and confirmation password do not match. |
| 3 | Email: a@a.com Password: 123456 Confirmed password:123456 | -- Passwords must have at least one non letter or digit character. Passwords must have at least one lowercase ('a'-'z'). Passwords must have at least one uppercase ('A'-'Z'). |
| 4 | Email: a@a.com Password: 1qQ1qQ Confirmed password:1qQ1qQ | --Passwords must have at least one non letter or digit character. |
| 5 | Email: a@a.com Password: 1qQ1qQ Confirmed password:1qQ1qQ | --Passwords must have at least one digit ('0'-'9'). |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Register page | Page will be displayed to the user |  |
| 2 | For each form CTA: - Email - Password - Confirmed password Enter the following values: {Value} | Form CTA will be populated with values |  |
| 3 | Click ‘Register’ button | The following { ExpectedErrorMessage } will be displayed to the user |  |

# **Test Case – Ensek | Register page | Submit**

* Test Case ID: TC\_FUNCT\_06
* Description:  
  Ensure the user can register

**Test Data**

|  |  |
| --- | --- |
| Iteration | Value |
| 1 | Email: en@sek.com Password: qweQWE123!”£ Confirmed password: qweQWE123!”£ |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Register page | Page will be displayed to the user |  |
| 2 | For each form CTA: - Email - Password - Confirmed password Enter the following values: {Value} | Form CTA will be populated with values |  |
| 3 | Click ‘Register’ button | The user should be registered |  |

# **Test Case – Ensek | Log In page | Error Validation**

* Test Case ID: TC\_FUNCT\_07
* Description:  
  Ensure validation message is correct for:
  + Empty field
  + When registering with invalid data

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | CTA | ExpectedErrorMessage |
| 1 | Email: Password: | --The Email field is required. --The Password field is required. |
| 2 | Email: a@ Password: 123 | --The Email field is not a valid e-mail address. ?? |
| 3 | Email: a@a.com Password: 123456 | ?? |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Login page | Page will be displayed to the user |  |
| 2 | For each form CTA: - Email - Password Enter the following values: {Value} | Form CTA will be populated with values |  |
| 3 | Click ‘Login button | The following { ExpectedErrorMessage } will be displayed to the user |  |

# **Test Case – Ensek | Log In page | Submit | CTAs**

* Test Case ID: TC\_FUNCT\_08
* Description:  
  Ensure the user can log in  
  Ensure CTA redirect the user to the correct pages

**Test Data**

|  |  |
| --- | --- |
| Iteration | Value |
| 1 | Email: en@sek.com Password: qweQWE123!”£ |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Login page | Page will be displayed to the user |  |
| 2 | Click on the following CTA: -- Please click the browser back after each step 1. Click ‘this article’ link 2. Click ‘Register as a new user’ | 1. The following page will be loaded <https://learn.microsoft.com/en-us/aspnet/mvc/overview/security/aspnet-mvc-5-app-with-sms-and-email-two-factor-authentication> 2. Register page(/Account/Register) will be displayed |  |
| 3 | For each form CTA: - Email -Password Enter the following values: {Value} | Form CTA will be populated with values |  |
| 4 | Click ‘Login button | The user should be logged in |  |

# **Test Case – Ensek | Sell Energy page | CTAs**

* Test Case ID: TC\_FUNCT\_09
* Description:  
  Ensure the sell energy page loads up correctly

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Sell Energy page | Page will be displayed to the user |  |

# **Test Case – Ensek | Buy Energy page | Reset | CTAs**

* Test Case ID: TC\_FUNCT\_10
* Description:  
  Ensure the energy values are reset when reset button is pressed

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | Values |  |
| 1 | Gas number of units CTA: 999 Nuclear number of units CTA: 99 Electricity number of units CTA:999 Oil number of units CTA:9 |  |
| 2 | Gas number of units CTA: 999 |  |
| 3 | Nuclear number of units CTA: 99 |  |
| 4 | Electricity number of units cta:999 |  |
| 5 | Oil number of units cta:9 |  |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Buy Energy page | Page will be displayed to the user |  |
| 2 | Click ‘Reset’ button | All values within the ‘Quantity of Units Available’ for each ‘Energy Type’ will be reset |  |
| 3 | Note the available values displayed within the ‘Quantity of Units Available’ for each ‘Energy Type’ | Reset available are stored for checking later |  |
| 4 | 1 For each form CTA: - Gas number of units CTA - Nuclear number of units CTA - Electricity number of units CTA - Oil number of units CTA 2 Enter the following values: {Value} 3 Click corresponding ‘Buy’ CTA 4 Click ‘Buy more’ button  5 Repeat steps 1-4 until all values are updated within form CTA | Form CTA will be populated with values |  |
| 5 | Click ‘Reset’ button | All values within the ‘Quantity of Units Available’ for each ‘Energy Type’ will be reset |  |
| 6 | Check reset value | Values noted in step 3 should be same values within the ‘Quantity of Units Available’ for each ‘Energy Type’ |  |
| 7 | Click ‘Back to hompage’ link | Landing page will be displayed |  |

# **Test Case – Ensek | Buy Energy page | Error Validation**

* Test Case ID: TC\_FUNCT\_11
* Description:  
  Ensure the sell energy page loads up correctly

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | Values | ExpectedErrorMessage |
| 1 | Gas number of units CTA: aaabbbcc Nuclear number of units CTA: !”!”!”!” | ?? |
| 2 | Oil number of units CTA: 9999999999 | ?? |
| 3 | Electricity number of units CTA: any value which is greater than the availably | ?? |
| 4 | Gas number of units CTA: 0 Nuclear number of units CTA: 0 Electricity number of units CTA:0 Oil number of units CTA:0 | ?? |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Buy Energy page | Page will be displayed to the user |  |
| 2 | 1 For each form CTA: - Gas number of units CTA - Nuclear number of units CTA - Electricity number of units CTA - Oil number of units CTA 2 Enter the following values: {Value} 3 Click corresponding ‘Buy’ CTA 4 Repeat steps 1-4 until all values are updated within form CTA | 1-2 Form CTA will be populated with values 3 {ExpectedErrorMessage } message should be displayed |  |

# **Test Case – Ensek | Buy Energy page | Confirmation page | Dynamic text | CTA**

* Test Case ID: TC\_FUNCT\_12
* Description:  
  Ensure the energy values are reset when reset button is pressed

**Test Data**

|  |  |  |
| --- | --- | --- |
| Iteration | Values |  |
| 1 | Gas number of units CTA: 999 Nuclear number of units CTA: 99 Electricity number of units CTA:999 Oil number of units CTA:9 |  |
| 2 | Gas number of units CTA: 999 |  |
| 3 | Nuclear number of units CTA: 99 |  |
| 4 | Electricity number of units CTA:999 |  |
| 5 | Oil number of units cta:9 |  |

**Test Steps**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Step | Expected result | Pass / Failed |
| 1 | Go to Buy Energy page | Page will be displayed to the user |  |
| 2 | Click ‘Reset’ button | All values within the ‘Quantity of Units Available’ for each ‘Energy Type’ will be reset |  |
| 3 | Note the available values displayed within the ‘Quantity of Units Available’ for each ‘Energy Type’ | Reset available are stored for checking later |  |
| 4 | 1 For each form CTA: - Gas number of units CTA - Nuclear number of units CTA - Electricity number of units CTA - Oil number of units CTA 2 Enter the following values: {Value} 3 Click corresponding ‘Buy’ CTA 4 Click ‘Buy more’ button  5 Repeat steps 1-4 until all values are updated within form CTA | Form CTA will be populated with values |  |
| 5 | Check valves | The following values should be displayed:  --Updated Available amount= available amount noted in step 3 minus the {Value} from step 4 should be displayed -- {Value} should be displayed |  |