# Ensek Energy Corp. Test Plan

Scenario: Register as a new user with unmatching passwords

Given I am on the Register page

When I enter a valid email address

And added a new password

And added a non-matching Confirm password

And I click the Register button

Then I should be informed of a mismatch

And prompted to re-enter

Scenario: Register as a new user with incorrect password level requirements

Given I am on the Register page

When I enter a valid email address

And added a new password that does not meet the correct password level requirements

And added a matching Confirm password

And I click the Register button

Then I should be informed of the password not meeting the required level

And advised on correct password required level

And prompted to re-enter

Scenario: Register as a new user

Given I am on the Register page

When I enter a valid email address and added and confirmed valid passwords

And I click the Register button

Then I should receive an email of Authentication

And I should be able to Login

Scenario: Successful login with valid credentials

Given I am on the login page

When I enter valid username and password

And I click the login button

Then I should be redirected to the homepage

And I should see a welcome message

Scenario: Login failure with invalid credentials

Given I am on the login page

When I enter an incorrect username or password

And I click the login button

Then I should remain on the login page

And I should see an error message indicating invalid credentials

Scenario: Navigating the top menu to About

Given I am on the Home page

When I click on the About button

Then I should be taken to the About page

And I should see the About page information

Scenario: Navigating the top menu from About back to Home

Given I am on the About page

When I click on the Home button

Then I should be taken to the Home page

And I should see the Home page information

Scenario: Clicking on Find out more for First Time

Given I am on the Home page

When I click on the Find out more button

Then I should be taken to the Find out more page

And I should see the Cookies Pop-up

Scenario: Clicking on Find out more Cookies Decline

Given I am on navigating to Find out more page

And the Cookies pop-up has appeared

When I click on the Decline option

Then I should be taken back to the Home page

Scenario: Clicking on Find out more after previously hitting Cookies Decline

Given I am on the Home page

When I click on the Find out more button

Then I should see the Cookies pop-up

Scenario: Buy some energy

Given I am on the Home page

And I am registered as a customer

And I am logged into the application

When I click on the Buy energy button

Then I should be taken to the Buy energy page

And I should be able to purchase energy

Scenario: Buy sell energy

Given I am on the Home page

And I am registered as a provider

And I am logged into the application

When I click on the Sell energy button

Then I should be taken to the Sell energy page

And I should be able to register energy for sale

Scenario: Clicking on About us

Given I am on the Home page

When I click on the About us Learn more button

Then I should be taken to the About us Learn more page

And I should be able to read a history of ENSEK

Scenario: Navigating the website and returning

Given I am not on the Home page

When I wish to leave that page

Then I be given an option to Return to homepage

And I should be able to click this link

And be returned to the Homepage.

Assumptions:

1. The website should be navigable and not require using the browser back arrow.
2. Registration will be different for customer and provider.
3. Only the read-only web pages should be available if you are not logged in.
4. All defects and bugs will be recorded and tracked on a suitable tool such as Jira.

Results

Scenario: Register as a new user with unmatching passwords

This behaved as expected

Scenario: Register as a new user with unmatching passwords

This behaved as expected

Scenario: Register as a new user with incorrect password level requirements

This behaved as expected

Scenario: Register as a new user

This errored with an unhandled exception.

This will be raised as a Bug.

Scenario: Successful login with valid credentials

Unable to test as cannot register, but this should be tested once the registration is fixed

Scenario: Login failure with invalid credentials

This errored with an unhandled exception.

This will be raised as a Bug and tagged with the Registration bug.

Scenario: Navigating the top menu from About back to Home

Behaves as expected

Scenario: Clicking on Find out more for First Time

Behaves as expected

Scenario: Clicking on Find out more Cookies Decline

When clicking Decline, the pop-up disappeared but I stayed on the page

This is a bug and should be raised as such

Scenario: Clicking on Find out more after previously hitting Cookies Decline

After previously Declining cookies, on returning to the page I expected the pop-up to reappear but it did not.

This is a bug.

Scenario: Buy some energy

The expectation here is that you can only but energy if you are registered and logged in.

I was able to get to the page and the fields were editable.

A critical Bug.

Scenario: Buy sell energy

Clicking on this showed the page is under maintenance. However I am not registered as a provider and no indication made here of that.

Authentication should be first and foremost.

Raise as a bug.

Scenario: Clicking on About us

This behaved as expected

Scenario: Navigating the website and returning

Only the Buy energy page had a Return to Homepage link.

It is difficult to know if other pages have it, but the About us Learn more page does not, and this should

Raise as a bug

# Buying Gas

When working through the Buy Energy page, I noticed the following:

1. The time is given, and this would seem to be UAT. However, there is no indication of such.
2. On the next line it says, “press that buy button”. The button is actionable so should be indicated by capitalisation. “press that Buybutton”.
3. I can purchase quantities of 0. This then brings me to the processed page. There should be an indicator of 0 Units entered and stay on that page.
4. I can purchase > available quantity. I entered 3001 when Quantity of Units Available is 3000. I was taken to the processed page and the Quantity of Units Available was set to -1. Please see figures 4.1 4.2 and 4.3 below
5. I entered a non-numerical value “q23” in Number of Units Required and got an unhandled exception. Please see figures 5.1 and 5.2

Figure 4.1

A screen shot of a computer

AI-generated content may be incorrect.

Figure 4.2

A yellow and black text

AI-generated content may be incorrect.

Figure 4.3

A screen shot of a computer

AI-generated content may be incorrect.

Figure 5.1

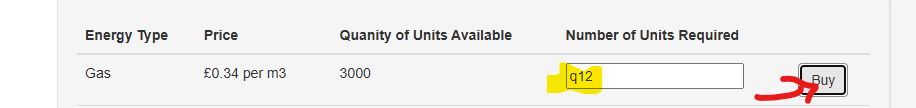


Figure 5.2

A screenshot of a computer

AI-generated content may be incorrect.