# 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