Test Plan

Systems under test.

<https://ensekautomationcandidatetest.azurewebsites.net/>

<https://qacandidatetest.ensek.io/>

Requirements.

No requirements have been provided for the website for testing. The web site will be tested based on expectation of functions and data provided on the site itself.

The API’s will be tested based on the information given in the swagger documentation. The requirements for the API tests are as follows.

* Reset the test data
* Buy a quantity of each fuel
* Verify that each order from the previous step is returned in the /orders list with the expected details
* Confirm how many orders were created before the current date

UI Tests.

All tests will start from the landing page <https://ensekautomationcandidatetest.azurewebsites.net/> and are based on user acceptance. Exploratory, negative and destructive testing will not be documented but will be performed. I would ideally store manual test steps in test rail or similar or even on an excel spreadsheet.

Confirm the following functions can be performed and completed:

* Can buy units of Gas
* Can buy units of nuclear
* Can buy units of electricity
* Can buy units of oil
* Can sell units of Gas
* Can sell units of nuclear
* Can sell units of electricity
* Can sell units of oil
* Confirm reset button works
* Confirm an account can be created
* Confirm new account can log in after creation

Navigation and text.

* Confirm Home button works and navigates to correct page
* Confirm About button works and navigates to correct page
* Confirm contact button works and navigates to correct page
* Confirm find out more about us button works and navigates to correct page
* Confirm Buy More button works and navigates to correct page
* Confirm find out more button works and navigates to correct page
* Confirm test on all pages is correctly spelt
* Confirm when energy is bought the number of available units available is deducted from correctly.

API tests.

All API tests will be written and validated in postman. The export will be shared as a separate file in the GitHub repository. Requirements specified above will be the bare minimum tested.

Bug Reporting.

Bugs for this will be stored as doc files in the GitHub repo as I would expect bugs to be linked to tickets based on requirements stored in a suitable system such as Jira/TFS/YouTrack.

Each file will start with the prefix BUG -.