Title

Pre-Testing Notes

As this is a new application that does provide acceptance criteria, this charter will explore the core functionality of the application with the intended purpose of gaining knowledge of the application systems and finding issues.
A high-level summary of the functionality of the application taken from the test plan:

Functionality To be tested

- Buy energy
- Sell energy
- Register
- Login
- Static Pages - About, Contact, Home

Test notes

- Initial testing of static pages, low functionality
  - Home page, all links on the page are working, no broken links
  - About - single button, working as expected
  - Contact - errors when loading - BUG
- Register functionality
  - Input field validation working correctly; must include email and passwords, different validation from login.
  - Email field correctly validating if the email is in the correct format
  - Password validation correctly validating length, incorrect validation if it is too long - BUG
  - Password validation working correctly for non-matching passwords
  - Trying to register a user is causing the application to crash
- Login functionality
  - Page load correctly, all components correct
  - Validation on email and password for empty inputs when both or one of the fields is empty
  - Trying to login is crashing the application, SQL error is thrown on the page -BUG.

- Sell Energy; this page is under maintenance, so no functional testing is needed.
- Buy energy - A table of information, most of the functionality in the application, allows users to buy a number of units of a certain type of energy.
  - Gas discount image and text different - BUG
  - Can buy an amount of units, purchase 100 units of gas - 3000 available, works as expected taken to a page confirming values
  - The confirmation page shows units bought, type bought and how many are remaining; these are passed in as query parameters.

- - - Can edit the query parameters to edit the values on the page, unknown impact of this, check for any XSS page threw an error - BUG
    - Buy More takes the user back to the page correctly, unit available is updated correctly.
  - Check validation of units required - BUG
    - Can buy 0 units
    - Can buy negative units, which will add units to the available
    - Can buy more units that are available
    - Can enter text on unit required field. Trying to buy will cause the page to crash.
    - Correctly hides the buy button when there are > 0 units available
  - Time on the page is using UTC instead of localised time - Bug6