TESTING PLAN

This test plan is built with the following approaches in mind: Exploratory testing and risk-based testing. It’s written to encourage whoever picks up manual testing to apply their own experience but also have guidance towards finding issues based on risk.

There are no specific test cases, but instead test guidance is offered.

ASSUMPTIONS:

Selling energy is currently not possible as turned off.

WHAT IS UNDER TEST?

This test plan will focus on the behaviours of the test website, which will include the following core features:

* Buying energy
  + Buying different types of energy
* Account management
  + Logging in as an existing customer
  + Registering for a new account
* Navigating the website
  + Navigating to different areas of the website
  + Contacting the company

WHAT IS OUT OF SCOPE?

Selling energy.

SETUP

Before starting, reset the buy energy data.

HOW WILL WE TEST?

1. First, run a smoke test by running the following happy path scenarios to try find major problems early as possible:
   1. Buy some gas
   2. Register for a new account
2. Run any acceptance tests
3. Conduct exploratory testing using the criteria

**Exploratory testing**

Spend your time asking the following questions of the software against the 3 core areas suggested above.

Suggested but not limited to:

* Functionality
  + Does it behave as expected?
  + Is it possible for you to break the website?
  + Test the boundaries of validation. What happens if we try to input non typical values?
  + Does it feel like quality software?
  + Does it pass acceptance criteria/match any documentation we have available?
* Accessibility & Mobile testing
  + Easy to use?
  + Any hard to read information or key directions that could be missed by hard of sight users?
  + Aria tags present?
  + Does the website look and work as expected on a mobile device
  + Are we using user friendly language?
* Security
  + Are we able to buy energy for free?
  + Can you login as somebody else?
  + Can code be injected into input fields?
  + Is other customer’s data safe?
* Performance / Stress testing
  + Does the website handle load?
  + What happens if the user makes a lot of requests quickly?
  + Does it *feel* slow and clunky?

Please feel free to play around with the software outside of these criteria, but these questions should help guide you and spot issues linked to the highest risks.

WHEN IS TESTING COMPLETE?

When the above scenarios and criteria have been considered and any issues raised with the team have been triaged or fixed.

Any stakeholders and/or product owners have been informed where relevant and have been part of triaging above.