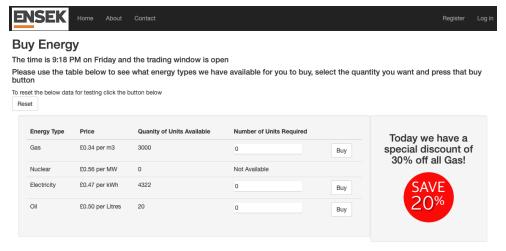## Sample Test Case Execution Summary (QA Engineer – Ryan Singh) (Friday, 09/05/2025)

Test Case	Description	Step Number	Test Step	Test Outcome	Status	Defect ID / Notes
TC002 – Unhappy Path - Quantity of Units cannot be less than 0 – Electricity Energy	Validate that the Quantity of Units available for Electricity Energy cannot be < 0 and an appropriate UI / API error message is displayed to the user.				Fail	-
		1	Login to ENSEK Energy Portal as a valid registered user	User logs in successfully and the Home page is displayed	Pass	-
		2	Under the "Buy some energy" section click on the "Buy energy >>" button	Buy Energy page is displayed	Pass	-

Buy Energy

The time is 9:18 PM on Friday and the trading window is open

Please use the table below to see what energy types we have available for you to buy, select the quantity you want and press that buy button

To reset the below data for testing click the button below

[Reset]

Energy Type	Price	Quanity of Units Available	Number of Units Required	
Gas	£0.34 per m3	3000	0	[Buy]
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	0	[Buy]
Oil	£0.50 per Litres	20	0	[Buy]

Today we have a special discount of 30% off all Gas!

SAVE 20%

Back to Homepage

			3	In the "Number of Units Required" field enter a value greater than "Quantity of Units Available" current value	"Number of Units Required" value entered matches value of the current "Quantity of Units Available"	Pass	-

Energy Type	Price	Quanity of Units Available	Number of Units Required	
Gas	£0.34 per m3	3000	0	[Buy]
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	4323	[Buy]
Oil	£0.50 per Litres	20	0	[Buy]

| | | 4 | Click on the "Buy" button | User should be prevented from completing order with the following UI / API warning message displayed "Value of Units required cannot be greater than Quantity of Units currently available". | Fail | DEF-001 linked. |
| | | | | However, the purchase is completed and the Electricity Energy store level has dropped below 0. | | |

Sale Confirmed!

Thank you for your purchase of 4323 units of Electricity We have popped it in the post and it will be with you shortly.
There are now -1 units of Electricity left in our stores.

Energy Type	Price	Quanity of Units Available	Number of Units Required	
Gas	£0.34 per m3	3000	0	Buy
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	-1	Not Available	
Oil	£0.50 per Litres	20	0	Buy