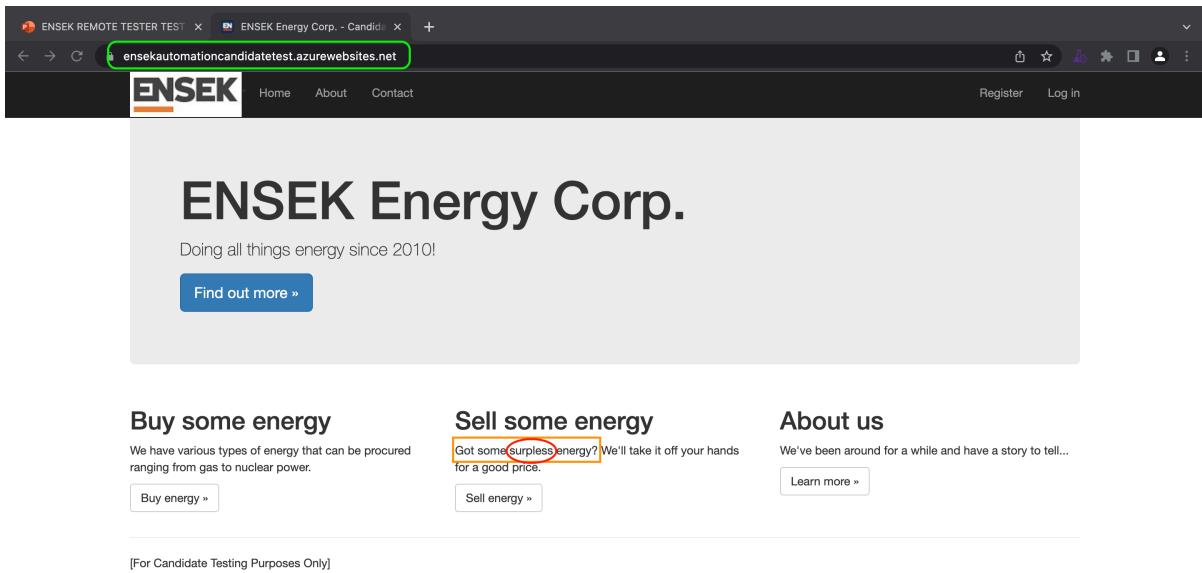


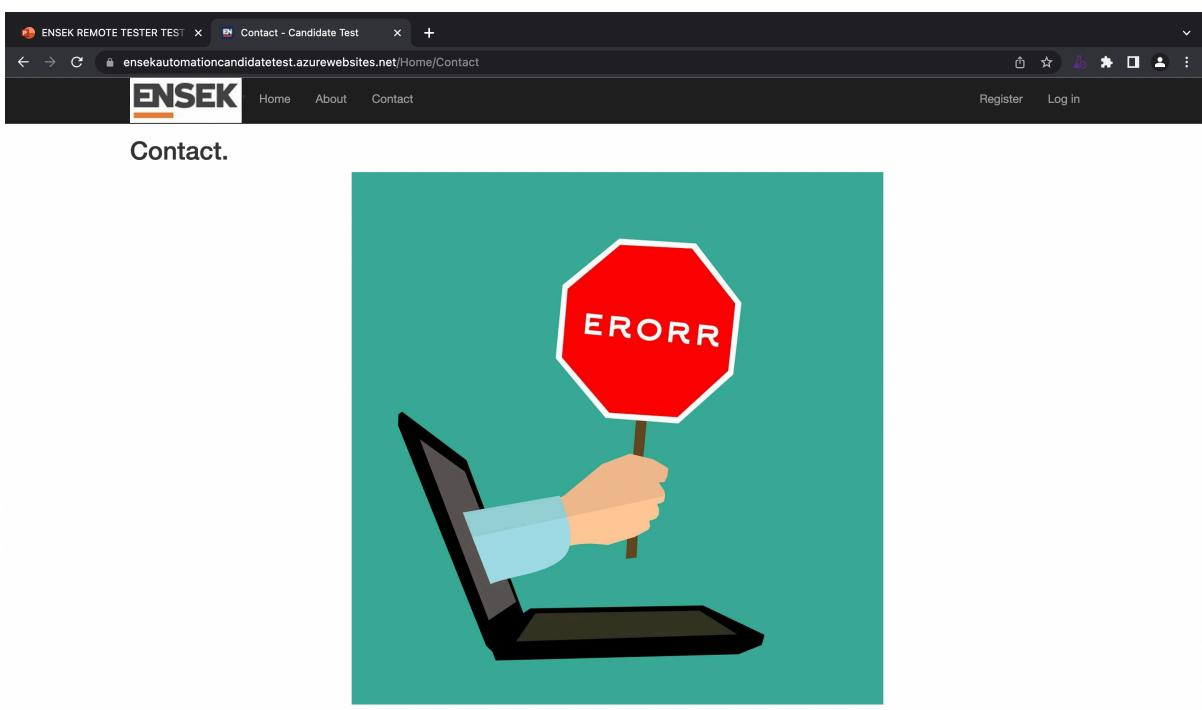
# ENSEK Energy Project - Defect List

## D001 - Landing / Home Page : Surplus word is misspelled



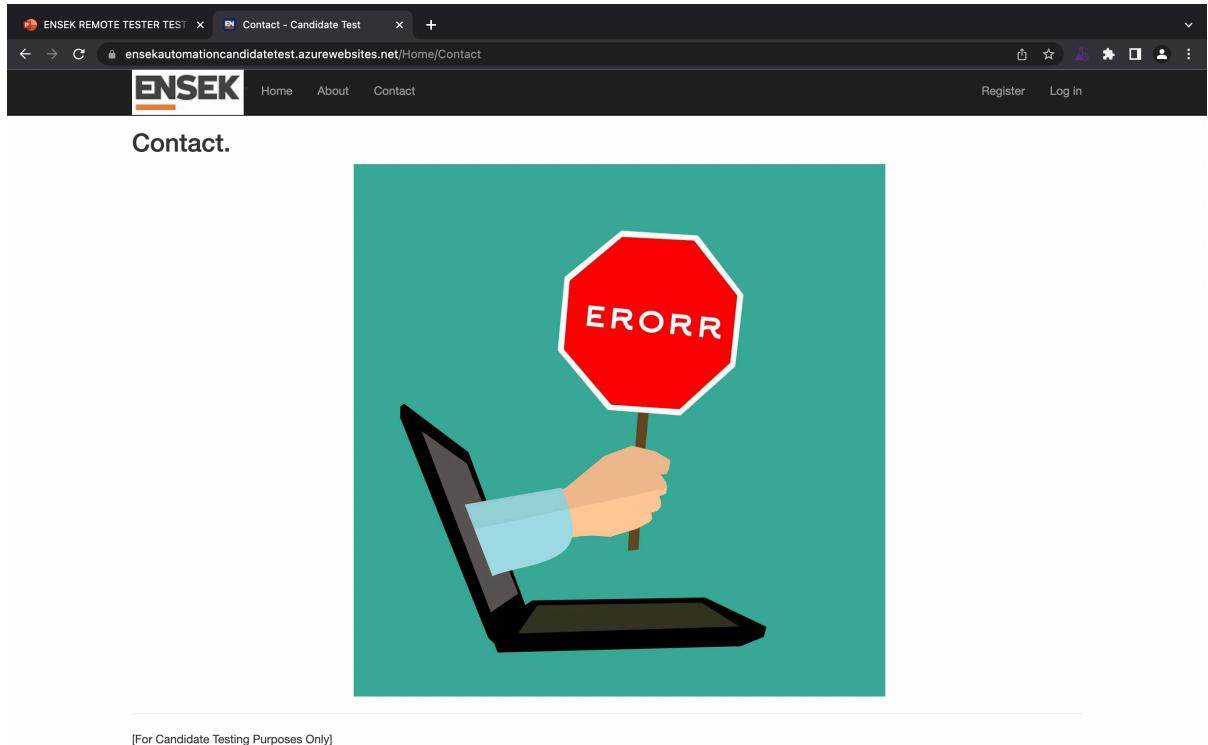
The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "ENSEK Energy Corp. - Candid...". The active tab displays the website [ensekautomationcandidatestest.azurewebsites.net](http://ensekautomationcandidatestest.azurewebsites.net). The page features a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". A "Register" and "Log in" button are also present. The main content area has a light gray background. It includes a large "ENSEK Energy Corp." logo, a tagline "Doing all things energy since 2010!", and a blue "Find out more »" button. Below this, there are three sections: "Buy some energy", "Sell some energy", and "About us". The "Sell some energy" section contains the text "Got some surplusess energy? We'll take it off your hands for a good price." with the word "surplusess" circled in red. At the bottom, a note states "[For Candidate Testing Purposes Only]".

## D002 - Error Page displayed instead of Contact Page



The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Contact - Candidate Test". The active tab displays the website [ensekautomationcandidatestest.azurewebsites.net/Home/Contact](http://ensekautomationcandidatestest.azurewebsites.net/Home/Contact). The page has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". A "Register" and "Log in" button are also present. The main content area shows the word "Contact." followed by a large green illustration. The illustration depicts a hand holding a red octagonal sign with the word "ERORR" written on it. A laptop computer is shown at the bottom, with its screen tilted back, as if it's displaying the error message.

## D003 - Contact Page : 'Error' is misspelled as 'Erorr'



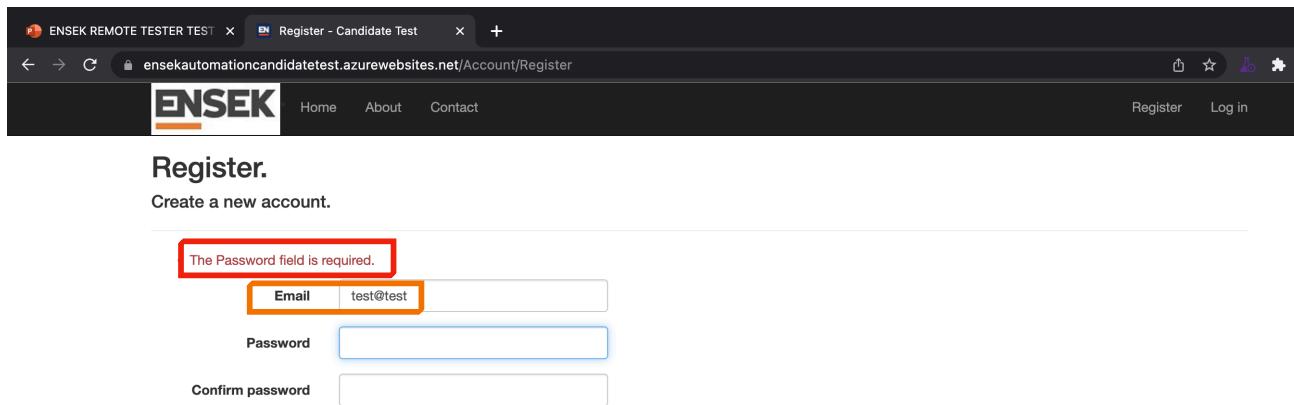
A screenshot of a web browser window showing the 'Contact' page of the ENSEK website. The URL in the address bar is 'ensekautomationcandidatestest.azurewebsites.net/Home/Contact'. The page title is 'Contact.'. Below the title is a large red octagonal sign with the word 'ERORR' written on it. A hand is holding the sign over an open laptop. The background of the page is teal. At the bottom left, there is a small note: '[For Candidate Testing Purposes Only]'

## D004 - Register Page : EMAIL Regex validations are not implemented

Email field takes values that are not in the expected email format.

**Value entered:** test@test

**Expected format:** <value>@<domain>.com>



A screenshot of a web browser window showing the 'Register' page of the ENSEK website. The URL in the address bar is 'ensekautomationcandidatestest.azurewebsites.net/Account/Register'. The page title is 'Register.'. Below the title, there is a sub-instruction: 'Create a new account.' There are four input fields: 'Email' (containing 'test@test'), 'Password' (empty), and 'Confirm password' (empty). An error message 'The Password field is required.' is displayed above the 'Password' field. The 'Email' field has a red border, indicating it is the required field that failed validation.

## D005 - Register Page : Network Error displayed when Registering a New Customer

The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Error - Candidate Test". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The main content area displays an "Error" page with the title "An error occurred while processing your request". The text within the error message indicates a network-related or instance-specific error occurred while establishing a connection to SQL Server, specifically mentioning that the server was not found or was not accessible. A detailed stack trace follows, showing multiple levels of .NET framework and provider code related to database connections.

```
A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: SQL Network Interfaces, error: 26 - Error Locating Server/Instance Specified)

at System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential credential, Object providerInfo, String newPassword, SecureString newSecurePassword, Boolean redirectedUserInstance, SqlConnectionString userConnectionString, SessionData reconnectSessionData, DbConnectionPool pool, String accessToken, Boolean applyTransientFaultHandling, SqlAuthenticationProviderManager sqlAuthProviderManager) at System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, DbConnectionPoolKey poolKey, Object poolGroupProviderInfo, DbConnectionPool pool, DbConnection owningConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnectionPool pool, DbConnection owningObject, DbConnectionOptions options, DbConnectionPoolKey poolKey, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.UserCreateRequest(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, UInt32 waitForMultipleObjectsTimeout, Boolean allowCreate, Boolean onlyOneCheckConnection, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal oldConnection, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionFactory.TryGetConnection(DbConnection owningConnection, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal oldConnection, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionClosed.TryOpenConnection(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionClosed.TryOpenConnection(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.SqlClient.SqlConnection.TryOpenInner(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.TryOpen(TaskCompletionSource`1 retry) at System.Data.Entity.Infrastructure.Interception.DbConnectionDispatcher.<Open>b__36(DbConnection t, DbConnectionInterceptionContext c) at System.Data.Entity.Infrastructure.Interception.InternalDispatcher`1.Dispatch[TTarget,TInterceptionContext](TTarget target, Action`2
```

## D006 - Login Page : EMAIL Regex validations are not implemented

The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Log In - Candidate Test". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Account/Login". The main content area displays a "Log in." form. On the left, there are fields for "Email" (containing "test@test") and "Password". Below the password field is a red box containing the error message "The Password field is required.". To the right of the form, there is a section titled "Use another service to log in." with the note "There are no external authentication services configured. See [this article](#) for details on setting up this ASP.NET application to support logging in via external services."

Email: test@test

Password: The Password field is required.

Remember me?

Register as a new user

[For Candidate Testing Purposes Only]

# D007 - Login Page : Network Error displayed when logging in with valid / invalid Customer details

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Error - Candidate Test". The address bar shows "ensekautomationcandidatetest.azurewebsites.net/Account/Login". The page content is titled "Error" and displays the message "An error occurred while processing your request". Below this, a detailed error stack trace is shown, indicating a failure to connect to SQL Server due to a network-related or instance-specific error.

```
A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server was not found or was not accessible. Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: SQL Network Interfaces, error: 26 - Error Locating Server/Instance Specified)
at System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential credential, Object providerInfo, String newPassword, SecureString newSecurePassword, Boolean redirectedUser-instance, SqlConnectionString userConnectionOptions, SessionData reconnectSessionData, DbConnectionPool pool, String accessToken, Boolean applyTransientFaultHandling, SqlAuthenticationProviderManager sqlAuthProviderManager) at System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, DbConnectionPoolKey poolKey, Object poolGroupProviderInfo, DbConnectionPool pool, DbConnection owningConnection, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnectionPool pool, DbConnection owningObject, DbConnectionOptions options, DbConnectionPoolKey poolKey, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.UserCreateRequest(DbConnection owningObject, DbConnectionOptions userOptions, DbConnectionInternal oldConnection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, UInt32 waitForMultipleObjectsTimeout, Boolean allowCreate, Boolean onlyOneCheckConnection, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionPool.TryGetConnection(DbConnection owningObject, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionFactory.TryGetConnection(DbConnection owningConnection, TaskCompletionSource`1 retry, DbConnectionOptions userOptions, DbConnectionInternal oldConnection, DbConnectionInternal& connection) at System.Data.ProviderBase.DbConnectionInternal.TryOpenConnectionInternal(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.ProviderBase.DbConnectionClosed.TryOpenConnection(DbConnection outerConnection, DbConnectionFactory connectionFactory, TaskCompletionSource`1 retry, DbConnectionOptions userOptions) at System.Data.SqlClient.SqlConnection.TryOpenInner(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.TryOpen(TaskCompletionSource`1 retry) at System.Data.SqlClient.SqlConnection.Open() at System.Data.Entity.Infrastructure.Interception.DbConnectionDispatcher.<Open>b__36(DbConnection t, DbConnectionInterceptionContext c) at System.Data.Entity.Infrastructure.Interception.InternalDispatcher`1.Dispatch[TTarget,TInterceptionContext](TTarget target, Action`2
```

# D008 - Buy Energy Page : Ambiguity in discount rates

Details: Text displays a discount of 30% whereas image displays 20%

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Buy - Candidate Test". The address bar shows "ensekautomationcandidatetest.azurewebsites.net/Energy/Buy". The page content is titled "Buy Energy" and displays a table of energy types with their prices and availability. To the right of the table, there is a red box containing text and a circular graphic.

Energy Type	Price	Quantity of Units Available	Number of Units Required
Gas	£0.34 per m3	3000	<input type="text" value="0"/> <button>Buy</button>
Nuclear	£0.56 per MW	0	Not Available
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/> <button>Buy</button>
Oil	£0.50 per Litres	20	<input type="text" value="0"/> <button>Buy</button>

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



[Back to Homepage](#)

# D009 - Buy Energy Page : Offer banner alignment issue

**Details:** Offer banner and Buy Energy table are not properly aligned with each other.

The screenshot shows the ENSEK Buy Energy page. At the top right, there is a red rectangular box highlighting the 'Buy' button in the table row for Gas. To the right of the table, a promotional banner reads "Today we have a special discount of 30% off all Gas!" with a "SAVE 20%" badge. A red rectangular box highlights the promotional banner area.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3000	<input type="text" value="0"/>	Buy
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/>	Buy
Oil	£0.50 per Litres	20	<input type="text" value="0"/>	Buy

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

**Details:** Quantity is misspelled as 'Quanity'

The screenshot shows the ENSEK Buy Energy page. In the table, the 'Quantity of Units Available' column for the Gas row is highlighted with a red box. To the right of the table, a promotional banner reads "Today we have a special discount of 30% off all Gas!" with a "SAVE 20%" badge. A red rectangular box highlights the promotional banner area.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3000	<input type="text" value="0"/>	Buy
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/>	Buy
Oil	£0.50 per Litres	20	<input type="text" value="0"/>	Buy

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

## D010 - Sale Confirmation Page : Missing Full stop (period) in the sentence

**Details:** A period / break needs to be provided in the Sale Confirmation statement (highlighted below) to make it grammatically correct.

The screenshot shows a browser window with three tabs: "ENSEK REMOTE TESTER TEST", "ENSEK Test API Application", and "Sale Confirmed - Candidate Test". The active tab is "Sale Confirmed - Candidate Test" with the URL "ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=100&energyType=Gas&amountLeft=2900". The page title is "Sale Confirmed!". Below it, a message box contains the text: "Thank you for your purchase of 100 units of Gas We have popped it in the post and it will be with you shortly. There are now 2900 units of Gas left in our stores." The word "We" is highlighted with a red circle. At the bottom, there's a "Buy more »" button and a note "[For Candidate Testing Purposes Only]".

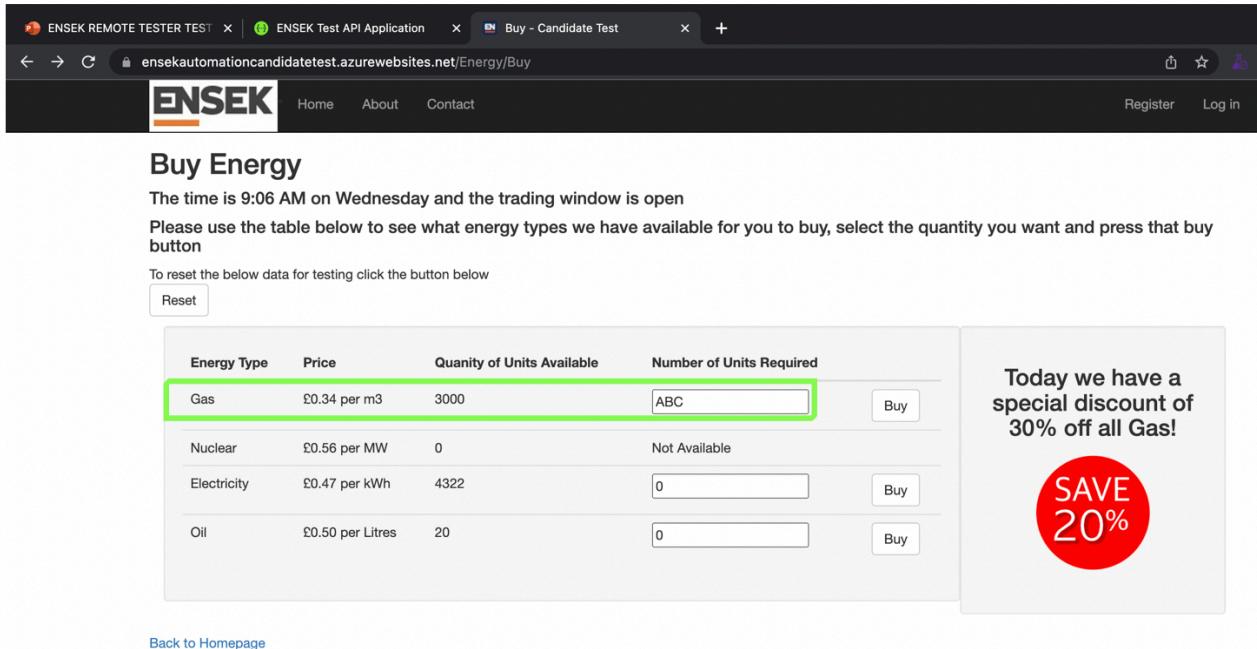
## D011 - Zero and Non Digit quantity values are accepted during sale

### Scenario 1 - Enter a gas Buy Quantity as 0

The screenshot shows a browser window with three tabs: "ENSEK REMOTE TESTER TEST", "ENSEK Test API Application", and "Buy - Candidate Test". The active tab is "Buy - Candidate Test" with the URL "ensekautomationcandidatestest.azurewebsites.net/Energy/Buy". The page title is "Buy Energy". It displays a table of energy types with their prices and available quantities. In the "Quantity of Units Available" column for Gas, the value "3000" is highlighted with a green box. In the "Number of Units Required" column for Gas, there is an input field containing the value "0", which is also highlighted with a green box. To the right of the table, a promotional message says "Today we have a special discount of 30% off all Gas!" and features a "SAVE 20%" badge. At the bottom, there's a "Back to Homepage" link.

The screenshot shows a browser window with three tabs: "ENSEK REMOTE TESTER TEST", "ENSEK Test API Application", and "Sale Confirmed - Candidate Test". The active tab is "Sale Confirmed - Candidate Test" with the URL "ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=0&energyType=Gas&amountLeft=3000". The page title is "Sale Confirmed!". Below it, a message box contains the text: "Thank you for your purchase of 0 units of Gas We have popped it in the post and it will be with you shortly. There are now 3000 units of Gas left in our stores." The word "We" is highlighted with a red circle. At the bottom, there's a "Buy more »" button and a note "[For Candidate Testing Purposes Only]".

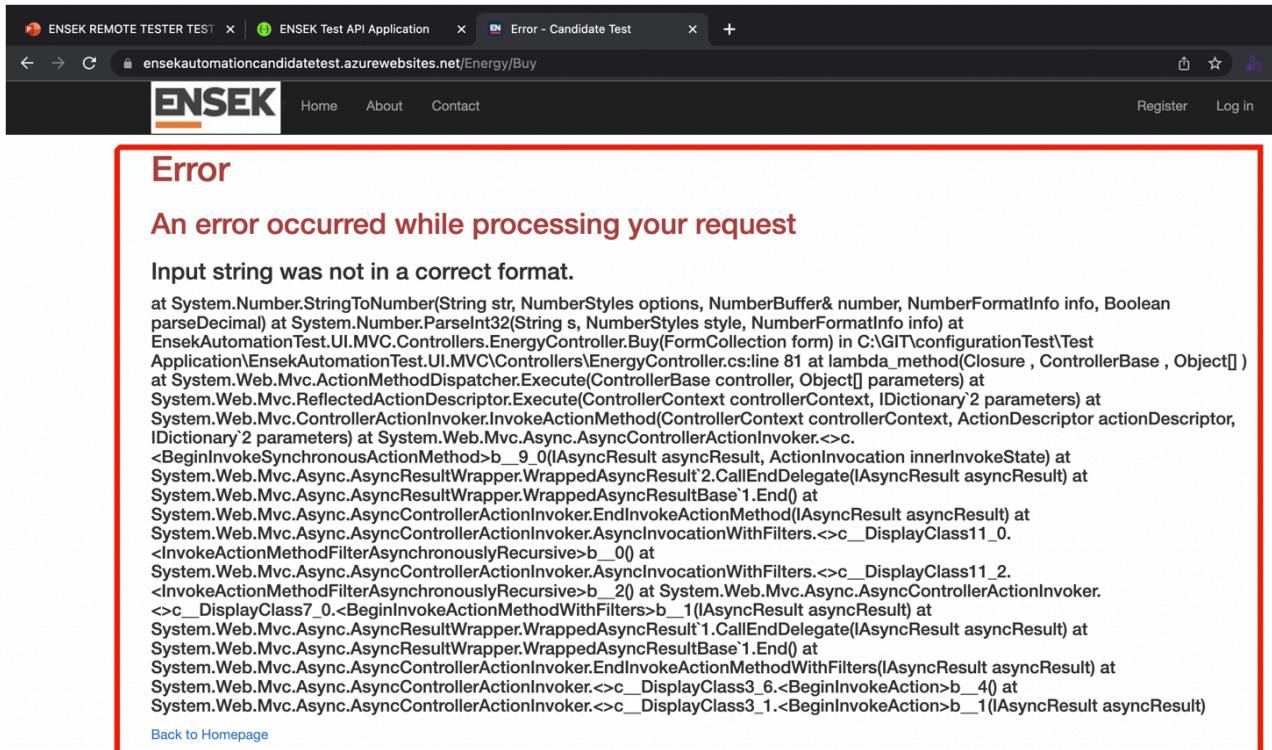
## Scenario 2 - Enter a Non-Digit quantity for Gas while buying



The screenshot shows the ENSEK 'Buy Energy' page. At the top, there are three tabs: 'ENSEK REMOTE TESTER TEST', 'ENSEK Test API Application', and 'Buy - Candidate Test'. The URL is 'ensekautomationcandidatetest.azurewebsites.net/Energy/Buy'. The page has a header with the ENSEK logo and navigation links for Home, About, Contact, Register, and Log in. Below the header, it says 'Buy Energy' and 'The time is 9:06 AM on Wednesday and the trading window is open'. It instructs users to use a table to see available energy types, select a quantity, and press the 'Buy' button. A note says 'To reset the below data for testing click the button below' with a 'Reset' button. The table lists four energy types: Gas, Nuclear, Electricity, and Oil. The 'Gas' row is highlighted with a green border. The 'Quantity of Units Available' for Gas is 3000, and the 'Number of Units Required' field contains the non-numeric value 'ABC'. To the right of the table is a promotional box with the text 'Today we have a special discount of 30% off all Gas!' and a red circle containing 'SAVE 20%'.

[Back to Homepage](#)

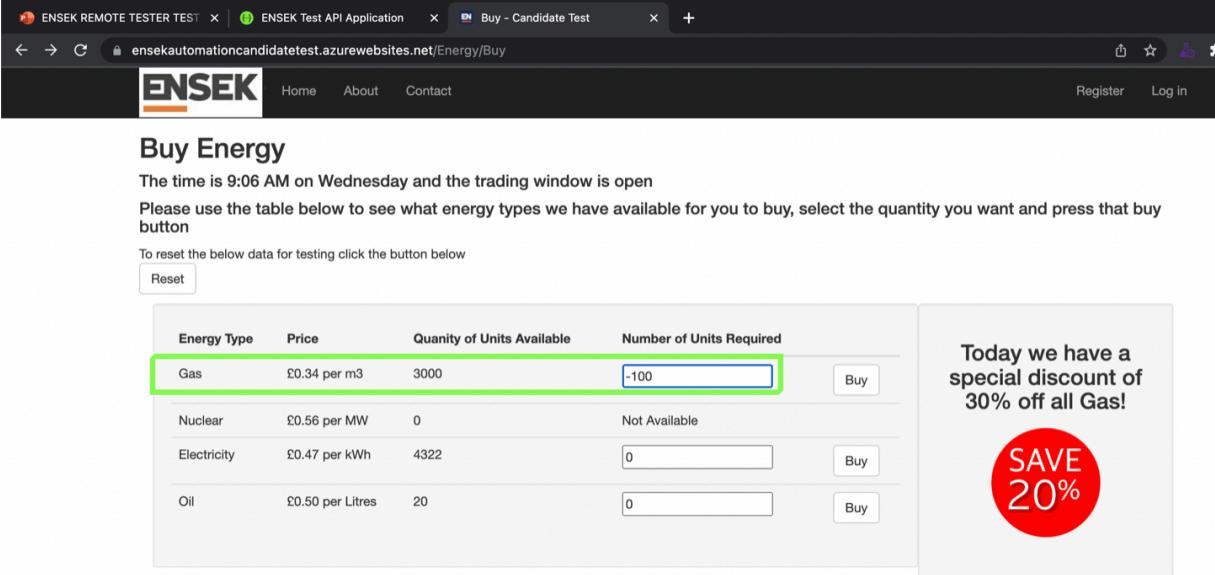
**Expected Result:** Input text field should be validated for non numerical values and highlighted to the user before they buy.



The screenshot shows the ENSEK 'Error' page. At the top, there are three tabs: 'ENSEK REMOTE TESTER TEST', 'ENSEK Test API Application', and 'Error - Candidate Test'. The URL is 'ensekautomationcandidatetest.azurewebsites.net/Energy/Buy'. The page has a header with the ENSEK logo and navigation links for Home, About, Contact, Register, and Log in. A large red box highlights the error message area. The message reads 'Error' and 'An error occurred while processing your request'. Below this, it says 'Input string was not in a correct format.' and provides a long stack trace of the error. At the bottom of the error message box is a link 'Back to Homepage'.

```
at System.Number.StringToNumber(String str, NumberStyles options, NumberBuffer& number, NumberFormatInfo info, Boolean parseDecimal) at System.Number.ParseInt32(String s, NumberStyles style, NumberFormatInfo info) at EnsekAutomationTest.UI.MVC.Controllers.EnergyController.Buy(FormCollection form) in C:\GIT\configurationTest\TestApplication\EnsekAutomationTest.UI.MVC\Controllers\EnergyController.cs:line 81 at lambda_method(Closure , ControllerBase , Object[] ) at System.Web.Mvc.ActionMethodDispatcher.Execute(ControllerBase controller, Object[] parameters) at System.Web.Mvc.ReflectedActionDescriptor.Execute(ControllerContext controllerContext, IDictionary`2 parameters) at System.Web.Mvc.ControllerActionInvoker.InvokeActionMethod(ControllerContext controllerContext, ActionDescriptor actionDescriptor, IDictionary`2 parameters) at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass1_0.<BeginInvokeSynchronousActionMethod>b__9_0(IAsyncResult asyncResult, ActionInvocation innerInvokeState) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResult`2.CallEndDelegate(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResultBase`1.End() at System.Web.Mvc.Async.AsyncControllerActionInvoker.EndInvokeActionMethod(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass11_0.<InvokeActionMethodFilterAsynchronouslyRecursive>b__0_0 at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass11_2.<InvokeActionMethodFilterAsynchronouslyRecursive>b__2_0 at System.Web.Mvc.Async.AsyncControllerActionInvoker. <>c__DisplayClass7_0.<BeginInvokeActionMethodWithFilters>b__1(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResult`1.CallEndDelegate(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResultBase`1.End() at System.Web.Mvc.Async.AsyncControllerActionInvoker.EndInvokeActionMethodWithFilters(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass3_6.<BeginInvokeAction>b__4() at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass3_1.<BeginInvokeAction>b__1(IAsyncResult asyncResult)
```

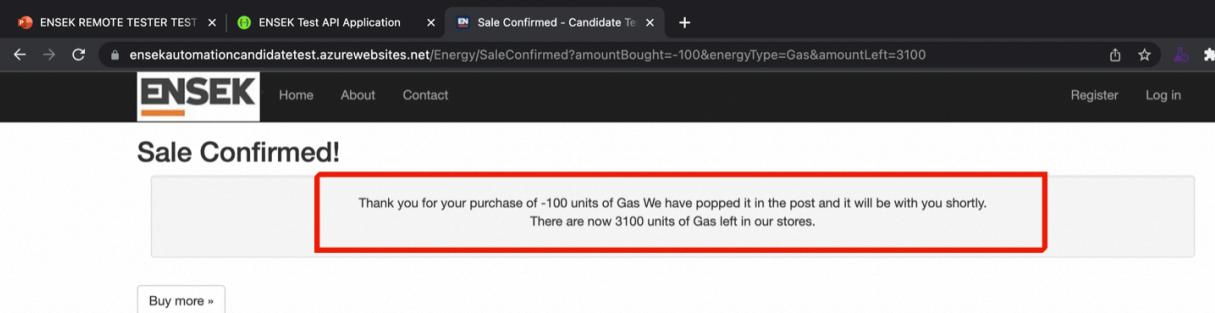
# D012 - Negative quantity of units can be purchased which increases the available quantity in Buy Energy Page after Sale is confirmed.



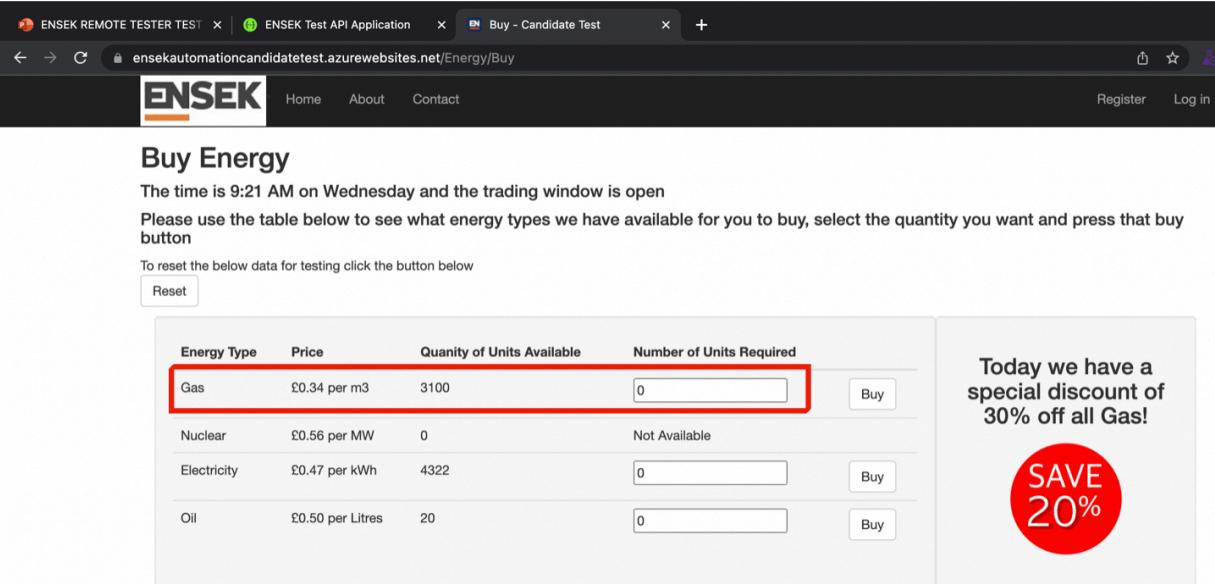
The screenshot shows the ENSEK Buy Energy page. At the top, there are three tabs: ENSEK REMOTE TESTER TEST, ENSEK Test API Application, and Buy - Candidate Test. The URL is ensekautomationcandidatetest.azurewebsites.net/Energy/Buy. The page has a header with the ENSEK logo, Home, About, Contact, Register, and Log in links. Below the header, it says "Buy Energy". It states that the time is 9:06 AM on Wednesday and the trading window is open. It asks to use the table below to see what energy types are available for purchase. It includes a note to reset data for testing and a "Reset" button. The table lists four energy types: Gas, Nuclear, Electricity, and Oil. The Gas row is highlighted with a green border. The "Number of Units Required" field for Gas contains "-100". To the right of the table is a promotional box with a red circle containing "SAVE 20%" and text about a 30% discount on Gas.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3000	-100	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

**Expected Result:** Input text field should be validated for negative values and highlighted to the user before they buy.



The screenshot shows the ENSEK Sale Confirmed page. At the top, there are three tabs: ENSEK REMOTE TESTER TEST, ENSEK Test API Application, and Sale Confirmed - Candidate Test. The URL is ensekautomationcandidatetest.azurewebsites.net/Energy/SaleConfirmed?amountBought=-100&energyType=Gas&amountLeft=3100. The page has a header with the ENSEK logo, Home, About, Contact, Register, and Log in links. Below the header, it says "Sale Confirmed!". It displays a message: "Thank you for your purchase of -100 units of Gas. We have popped it in the post and it will be with you shortly. There are now 3100 units of Gas left in our stores." This message is enclosed in a red-bordered box. Below the message is a "Buy more >" button.



The screenshot shows the ENSEK Buy Energy page. At the top, there are three tabs: ENSEK REMOTE TESTER TEST, ENSEK Test API Application, and Buy - Candidate Test. The URL is ensekautomationcandidatetest.azurewebsites.net/Energy/Buy. The page has a header with the ENSEK logo, Home, About, Contact, Register, and Log in links. Below the header, it says "Buy Energy". It states that the time is 9:21 AM on Wednesday and the trading window is open. It asks to use the table below to see what energy types are available for purchase. It includes a note to reset data for testing and a "Reset" button. The table lists four energy types: Gas, Nuclear, Electricity, and Oil. The Gas row is highlighted with a red border. The "Number of Units Required" field for Gas contains "0". To the right of the table is a promotional box with a red circle containing "SAVE 20%" and text about a 30% discount on Gas.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3100	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

# D013 - Quantity of units available goes to negative if the buy quantity exceeds the available quantity during the sale

The screenshot shows the ENSEK Buy Energy page. At the top, there is a message: "The time is 9:21 AM on Wednesday 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." Below this is a "Reset" button. The main table lists energy types, their prices, available quantities, and required quantities. A row for Gas has a value of 3200 in the "Number of Units Required" field, which is highlighted with a green border. To the right of the table is a promotional box: "Today we have a special discount of 30% off all Gas!" with a "SAVE 20%" badge.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3100	3200	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

**Expected Result:** System should not allow user to buy more quantity than what is available for the respective energy type.

The screenshot shows the ENSEK Sale Confirmed page. The title is "Sale Confirmed!". A message box contains: "Thank you for your purchase of 3200 units of Gas We have popped it in the post and it will be with you shortly. There are now -100 units of Gas left in our stores." Below this is a "Buy more »" button.

The screenshot shows the ENSEK Buy Energy page again. The "Number of Units Required" field for Gas is now set to -100, which is highlighted with a red border. The rest of the table and the promotional box on the right remain the same.

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	-100	Not Available	
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	0	Buy
Oil	£0.50 per Litres	20	0	Buy

# Observation List

## OBS001 - About Us Page has a hidden piece of code

The screenshot shows a browser window with the URL [ensekautomationcandidate.azurewebsites.net/Home/About](http://ensekautomationcandidate.azurewebsites.net/Home/About). The page content includes a heading "About ENSEK Energy Corp..", a paragraph about the company's history, and two buttons: "Hidden Easter Egg Code: TWSS" and "Find out more about us »". A red box highlights the text "Hidden Easter Egg Code: TWSS".

About ENSEK Energy Corp..

Learn a little more about us

In 2010, we set out to solve a common problem in the energy industry that was costing suppliers – and ultimately customers – millions every year. This was accepted as the cost of doing business in a complex market. This didn't feel right.

So we had an idea: to create an end-to-end SaaS platform for energy suppliers. One that would remove complexity and enable new and established suppliers to challenge the status quo and provide more choice to consumers. Quote, sign-up, collect and service in real-time – the entire customer lifecycle on one cloud-native platform.

Now, nearly 10 years later, our team has grown to over 140 strong. We now enable 25 energy suppliers and millions of their customers to change the energy industry for the better.

But it didn't happen overnight. Here's our story.

Hidden Easter Egg Code: TWSS

[Find out more about us »](#)

[For Candidate Testing Purposes Only]

## OBS002 - Sell Some Energy Page is under Maintenance

The screenshot shows a browser window with the URL [ensekautomationcandidate.azurewebsites.net/Energy/Sell](http://ensekautomationcandidate.azurewebsites.net/Energy/Sell). The page content includes a heading "Here to sell some energy?", a large yellow "MAINTENANCE" sign with a wrench icon, and a red box around the sign. A red box also highlights the URL in the browser address bar.

Here to sell some energy?

MAINTENANCE

[For Candidate Testing Purposes Only]

# OBS003 - Float / Decimal is not a valid input value for Buying Energy

The screenshot shows the ENSEK Energy Buy page. At the top, there are two tabs: "ENSEK REMOTE TESTER TEST" and "Buy - Candidate Test". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Energy/Buy". The page has a header with the ENSEK logo and navigation links for Home, About, Contact, Register, and Log in. Below the header, the main content area has a title "Buy Energy" and a message stating "The time is 11:15 PM on Tuesday and the trading window is open". It instructs users to use a table to select energy types and quantities, and provides a "Reset" button. The table lists four energy types: Gas, Nuclear, Electricity, and Oil, with their respective prices and available units. The "Number of Units Required" column contains input fields. The "Gas" field is highlighted with a red border and contains the value "1.5". To the right of the table is a promotional box with the text "Today we have a special discount of 30% off all Gas!" and a "SAVE 20%" badge.

Energy Type	Price	Quantity of Units Available	Number of Units Required
Gas	£0.34 per m3	3000	<input type="text" value="1.5"/>
Nuclear	£0.56 per MW	0	Not Available
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/>
Oil	£0.50 per Litres	20	<input type="text" value="0"/>

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The screenshot shows the ENSEK Energy Buy page with an error message. The browser tab is "ENSEK REMOTE TESTER TEST" and the URL is "ensekautomationcandidatestest.azurewebsites.net/Energy/Buy". The page layout is identical to the previous screenshot, but the content area now displays an error message: "An error occurred while processing your request" and "Input string was not in a correct format." A large red box highlights the error message and the stack trace below it. The stack trace is as follows:

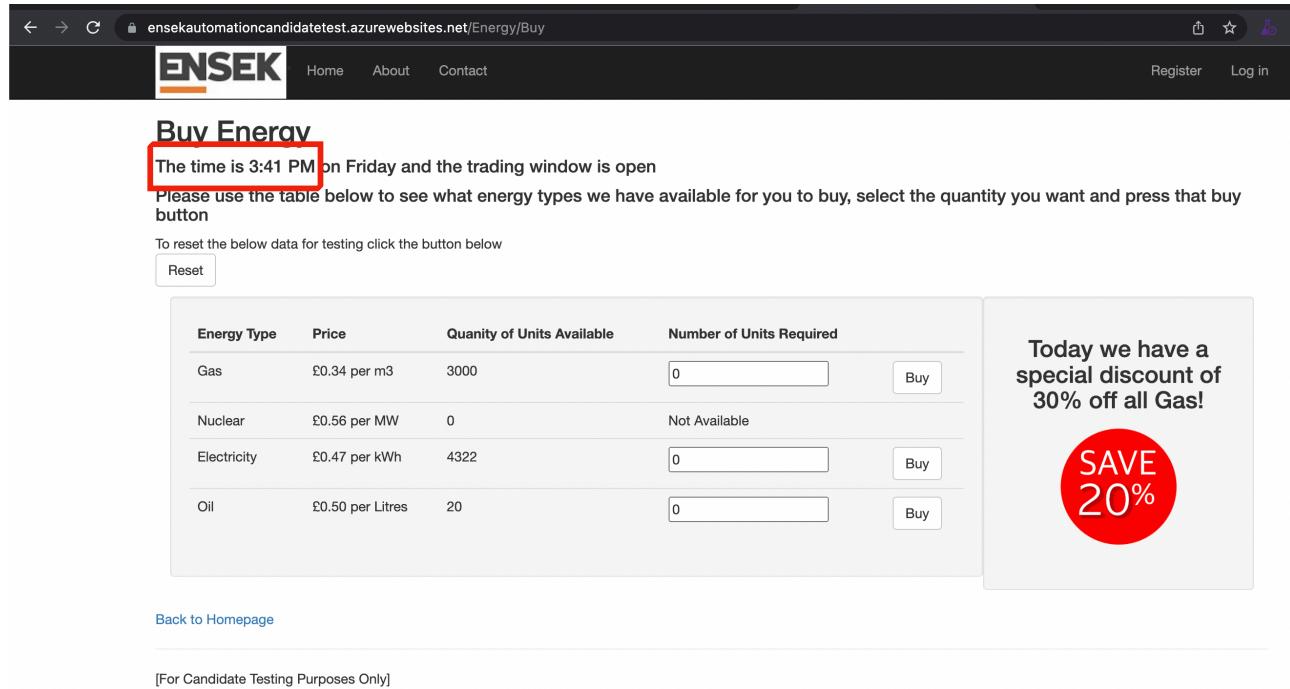
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at System.Number.StringToNumber(String str, NumberStyles options, NumberBuffer& number, NumberFormatInfo info, Boolean parseDecimal) at System.Number.ParseInt32(String s, NumberStyles style, NumberFormatInfo info) at EnsekAutomationTest.UI.MVC.Controllers.EnergyController.Buy/FormCollection form) at C:\GIT\configurationTest\TestApplication\EnsekAutomationTest.UI.MVC\Controllers\EnergyController.cs:line 81 at lambda_method(Closure , ControllerBase , Object[] ) at System.Web.Mvc.ActionMethodDispatcher.Execute(ControllerBase controller, Object[] parameters) at System.Web.Mvc.ReflectedActionDescriptor.Execute(ControllerContext controllerContext, IDictionary`2 parameters) at System.Web.Mvc.ControllerActionInvoker.InvokeActionMethod(ControllerContext controllerContext, ActionDescriptor actionDescriptor, IDictionary`2 parameters) at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass11_0.<>c__DisplayClass11_0.<>b__0(IAsyncResult asyncResult, ActionInvocation innerInvokeState) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResult`2.CallEndDelegate(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResultBase`1.End() at System.Web.Mvc.Async.AsyncControllerActionInvoker.EndInvokeActionMethod(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass11_0.<>b__0() at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass11_2.<>c__DisplayClass7_0.<>b__2() at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass7_0.<>b__1(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResult`1.CallEndDelegate(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncResultWrapper.WrappedAsyncResultBase`1.End() at System.Web.Mvc.Async.AsyncControllerActionInvoker.EndInvokeActionMethodWithFilters(IAsyncResult asyncResult) at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass3_6.<>b__4() at System.Web.Mvc.Async.AsyncControllerActionInvoker.<>c__DisplayClass3_1.<>b__1(IAsyncResult asyncResult)
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# OBS004 - Time displayed in Buy Energy page is in GMT but there is no mention of time zone.

Time displayed in Buy Energy page is in GMT but there is no mention of whether it is in GMT or BST.



The screenshot shows the ENSEK Buy Energy page. At the top, there is a navigation bar with links for Home, About, Contact, Register, and Log in. Below the navigation bar, the title "Buy Energy" is displayed. A message box contains the text: "The time is 3:41 PM on Friday and the trading window is open". This message is highlighted with a red rectangular box. Below this, another message says: "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". A "Reset" button is present. The main content area features a table with four rows of energy types: Gas, Nuclear, Electricity, and Oil. Each row includes columns for Energy Type, Price, Quantity of Units Available, Number of Units Required, and a "Buy" button. To the right of the table, a promotional message reads: "Today we have a special discount of 30% off all Gas!" and a red circular badge says "SAVE 20%". At the bottom left, there is a link to "Back to Homepage" and a note: "[For Candidate Testing Purposes Only]".