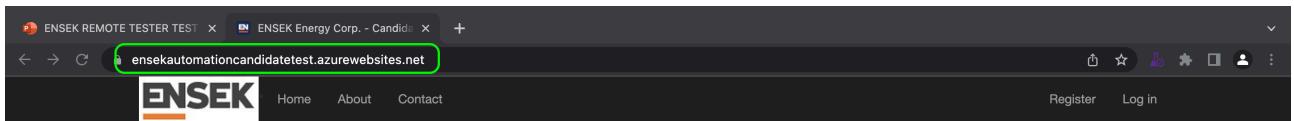
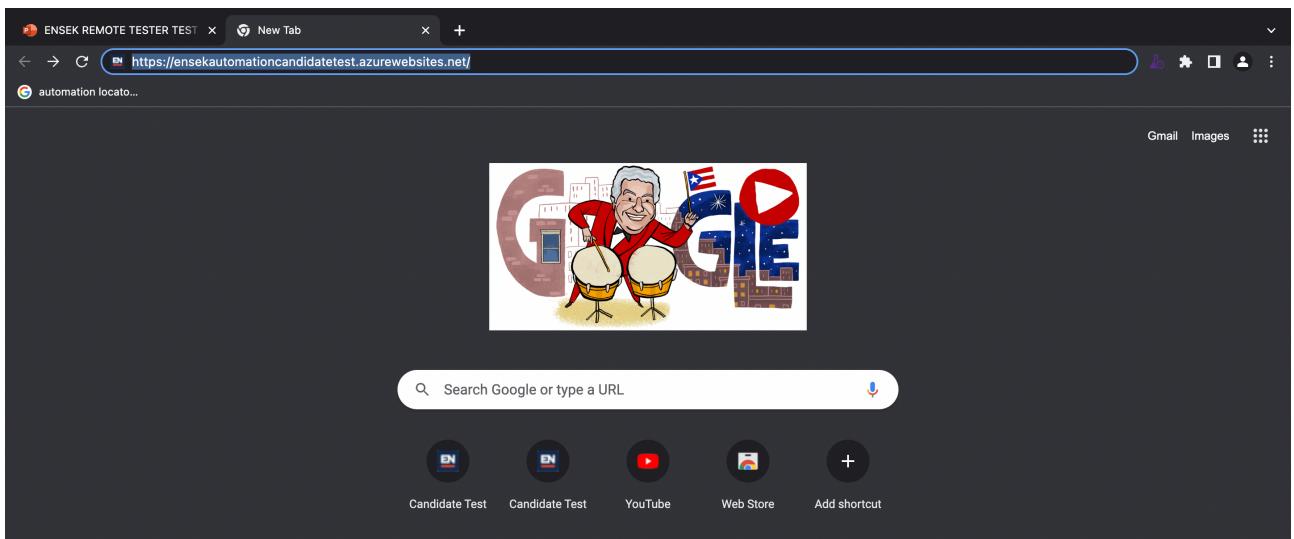


# ENSEK Energy Project Test Evidence

## TC001 - Basic Sanity Check



### Buy some energy

We have various types of energy that can be procured ranging from gas to nuclear power.

[Buy energy »](#)

### Sell some energy

Got some surplus energy? We'll take it off your hands for a good price.

[Sell energy »](#)

### About us

We've been around for a while and have a story to tell...

[Learn more »](#)

[For Candidate Testing Purposes Only]

# TC002 - Verify About Us Page

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and the tab "About ENSEK Energy Corp. - C". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Home/About". The page content includes the ENSEK logo, navigation links for Home, About, and Contact, and registration/login links. The main heading is "About ENSEK Energy Corp..". Below it is a section titled "Learn a little more about us" with a paragraph of text. A blue button labeled "Find out more about us »" is present. At the bottom, a note says "[For Candidate Testing Purposes Only]".

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and the tab "ENSEK | About Us". The URL in the address bar is "ensek.com/about-us". The page content includes the ENSEK logo, navigation links for Solutions, Technology, and About, and a red "Get In Touch" button. The main heading is "About Us". Below it is a large text block: "Our purpose is to accelerate the digital energy transition". A smaller text below states: "At ENSEK, we're passionate about unlocking the greatest...". To the right is a photograph of three office cubicles labeled 206, 207, and 208, each containing a person working at a desk.

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and the tab "About ENSEK Energy Corp. - C". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Home/About". The page content includes the ENSEK logo, navigation links for Home, About, and Contact, and registration/login links. The main heading is "About ENSEK Energy Corp..". Below it is a section titled "Learn a little more about us" with a paragraph of text. A blue button labeled "Find out more about us »" is present. A red box highlights the text "Hidden Easter Egg Code: TWSS". At the bottom, a note says "[For Candidate Testing Purposes Only]".

# TC003 - Verify Contact Page

The screenshot shows the ENSEK Energy Corp. website home page. At the top, there is a navigation bar with links for Home, About, and Contact. On the right side of the bar, there are Register and Log in options. Below the navigation bar, the main content area features a large header with the text "ENSEK Energy Corp." and a subtitle "Doing all things energy since 2010!". A blue button labeled "Find out more »" is visible. The footer of the page contains three sections: "Buy some energy", "Sell some energy", and "About us". Each section has a brief description and a corresponding button: "Buy energy »" for buy, "Sell energy »" for sell, and "Learn more »" for about.

## Buy some energy

We have various types of energy that can be procured ranging from gas to nuclear power.

[Buy energy »](#)

## Sell some energy

Got some surplus energy? We'll take it off your hands for a good price.

[Sell energy »](#)

## About us

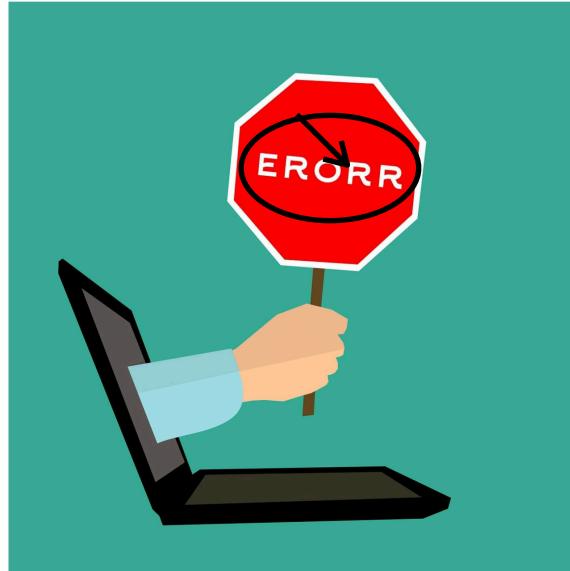
We've been around for a while and have a story to tell...

[Learn more »](#)

[For Candidate Testing Purposes Only]

The screenshot shows the ENSEK Energy Corp. contact page. The layout is identical to the home page, featuring a navigation bar with Home, About, and Contact links, and Register/Log in options. The main content area has a heading "Contact." followed by a large illustration of a hand holding a red octagonal sign with the word "ERORR" written on it, with an arrow pointing to the "O". The background of the illustration is teal. A caption at the bottom of the page reads "[For Candidate Testing Purposes Only]."

Contact.



[For Candidate Testing Purposes Only]

# TC004 - Verify Register Page

The screenshot shows the ENSEK Energy Corp. homepage. At the top, there is a navigation bar with links for Home, About, Contact, Register, and Log in. The main content area features the company logo "ENSEK" and the text "Doing all things energy since 2010!". Below this are three main service sections: "Buy some energy", "Sell some energy", and "About us". Each section has a brief description and a call-to-action button.

**Buy some energy**  
We have various types of energy that can be procured ranging from gas to nuclear power.  
[Buy energy »](#)

**Sell some energy**  
Got some surplus energy? We'll take it off your hands for a good price.  
[Sell energy »](#)

**About us**  
We've been around for a while and have a story to tell...  
[Learn more »](#)

[For Candidate Testing Purposes Only]

The screenshot shows the "Register" page. The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page title is "Register". The main content is a form titled "Create a new account." It contains three input fields: "Email", "Password", and "Confirm password", followed by a "Register" button. A green rounded rectangle highlights the entire form area, and a cyan arrow points to the "Register" button.

**Register.**

Create a new account.

Email

Password

Confirm password

[Register](#)

[For Candidate Testing Purposes Only]

# TC005 - Verify Register Form Validation

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The address bar shows the URL "ensekautomationcandidatest.azurewebsites.net/Account/Register". The page itself has a header "ENSEK" with navigation links "Home", "About", "Contact", "Register", and "Log in". Below the header is the word "Register." and the sub-instruction "Create a new account.". There are three input fields: "Email", "Password", and "Confirm password", each with a corresponding label above it. A "Register" button is located below the fields. At the bottom of the page is a small note "[For Candidate Testing Purposes Only]".

## Scenario 1: Click on Register without entering any details

This screenshot is identical to the one above, but it includes a green rectangular highlight around the URL in the address bar ("ensekautomationcandidatest.azurewebsites.net/Account/Register") and around the error message box. The error message box contains two items: "• The Email field is required." and "• The Password field is required." The rest of the page content, including the form fields and the "Register" button, remains the same.

## Scenario 2: Enter EMAIL ID in a wrong format

Value entered: test@test

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

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page itself has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". On the right side of the header are "Register" and "Log in" buttons. The main content area is titled "Register." and contains the sub-instruction "Create a new account.". Below this is a form with four fields: "Email" (containing "test@test"), "Password" (empty), "Confirm password" (empty), and a "Register" button. A red-bordered validation message "The Password field is required." is displayed above the "Email" field. At the bottom of the page is a small note "[For Candidate Testing Purposes Only]".

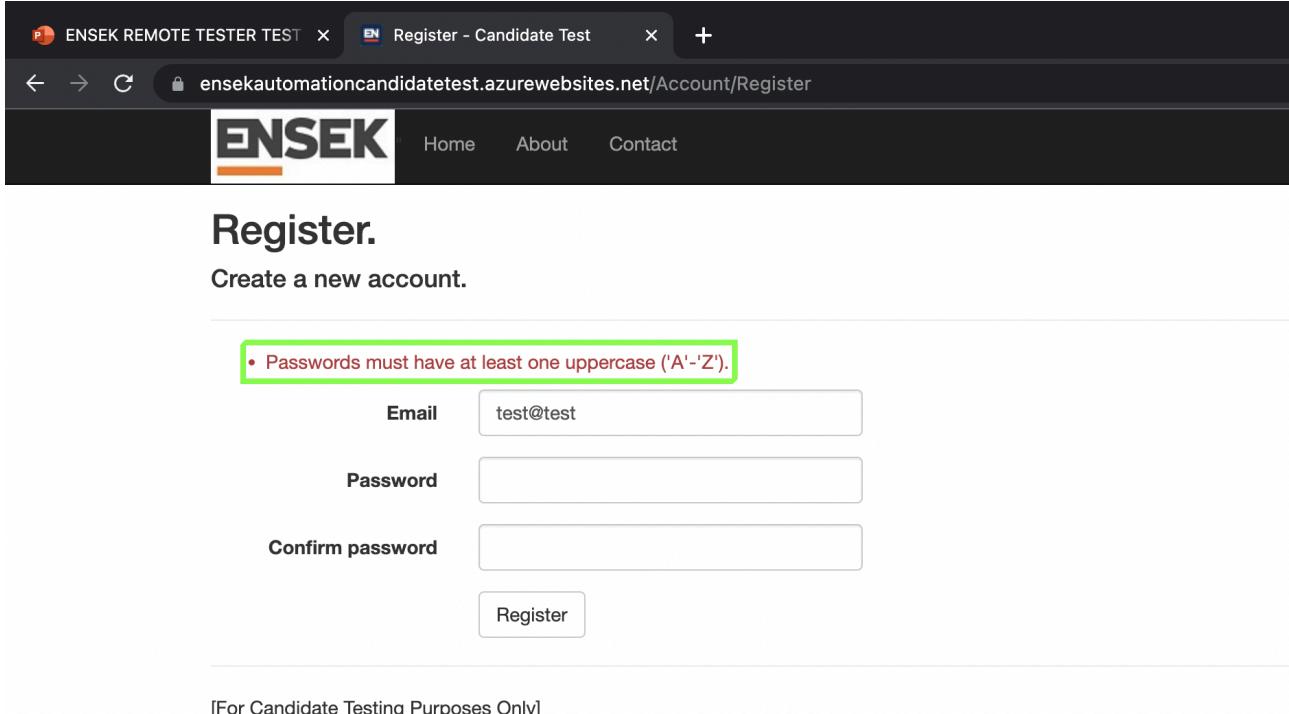
## Scenario 3: Enter Numerical password value of '5' characters

Password Value Entered: 12345

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The URL in the address bar is "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". On the right side of the header are "Register" and "Log in" buttons. The main content area is titled "Register." and contains the sub-instruction "Create a new account.". Below this is a form with four fields: "Email" (containing "test@test"), "Password" (containing "....."), "Confirm password" (containing "....."), and a "Register" button. A green-bordered validation message "• The Password must be at least 6 characters long." is displayed above the "Password" field. At the bottom of the page is a small note "[For Candidate Testing Purposes Only]".

## Scenario 4: Enter Alphanumeric password without any Uppercase characters

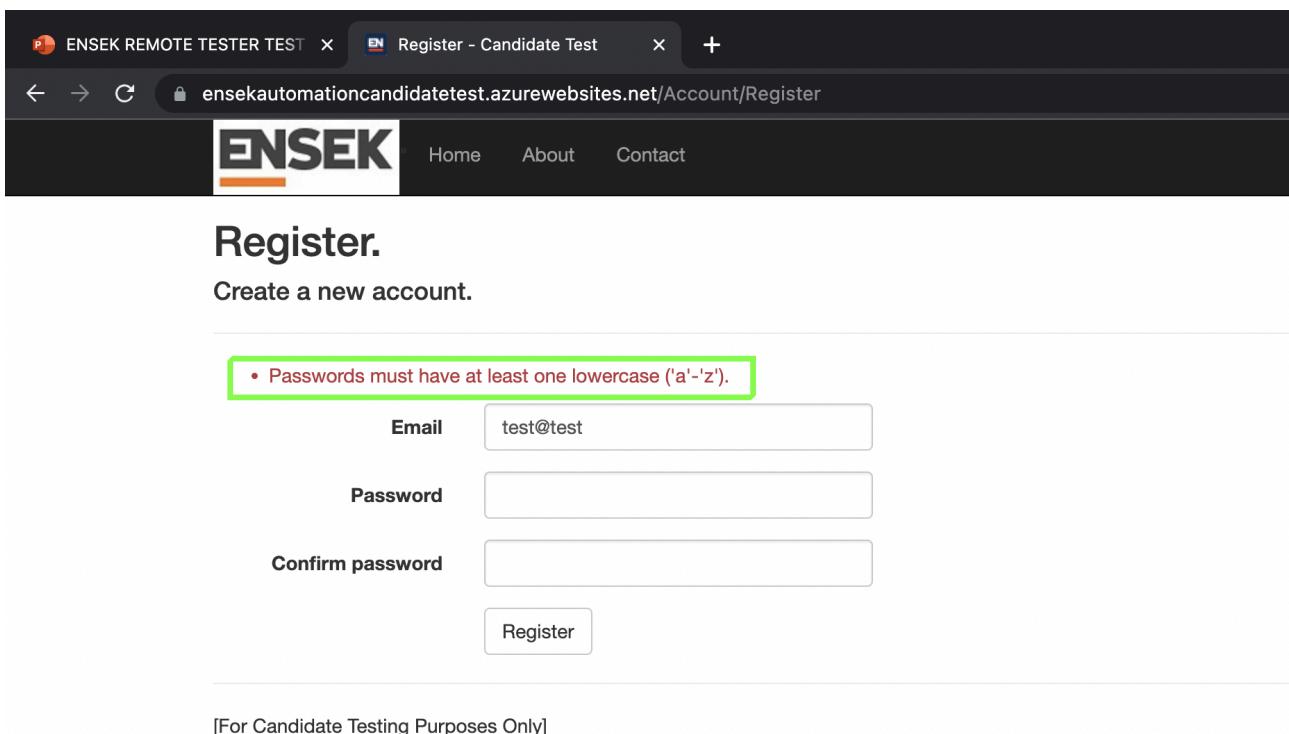
**Password Value Entered:** nottingham@123



The screenshot shows a web browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The "Register - Candidate Test" tab is active, displaying a registration page for "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page features the ENSEK logo at the top. Below it, the word "Register." is displayed in large letters, followed by the instruction "Create a new account.". A validation message in a green-bordered box states: "• Passwords must have at least one uppercase ('A'-'Z').". The registration form includes fields for "Email" (containing "test@test"), "Password", and "Confirm password". A "Register" button is located below the form. At the bottom of the page, a note reads "[For Candidate Testing Purposes Only]".

## Scenario 5: Enter Alphanumeric password without any Lowercase characters

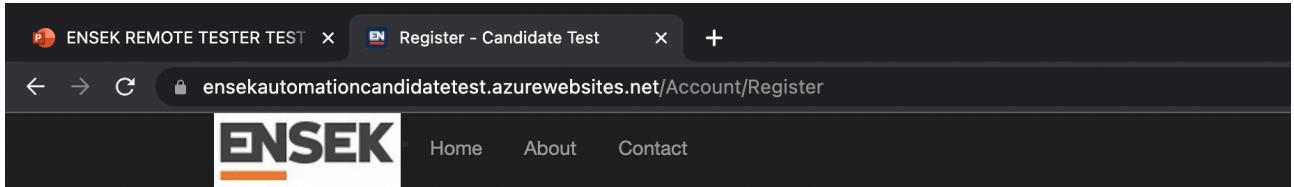
**Password Value Entered:** NOT@123



The screenshot shows a web browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The "Register - Candidate Test" tab is active, displaying a registration page for "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page features the ENSEK logo at the top. Below it, the word "Register." is displayed in large letters, followed by the instruction "Create a new account.". A validation message in a green-bordered box states: "• Passwords must have at least one lowercase ('a'-'z').". The registration form includes fields for "Email" (containing "test@test"), "Password", and "Confirm password". A "Register" button is located below the form. At the bottom of the page, a note reads "[For Candidate Testing Purposes Only]".

## Scenario 6: Enter Alphanumerical password without any special characters

Password Value Entered: Nottingham123



The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The main content area displays the "Register" page for the domain "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page has a header with the ENSEK logo and navigation links for Home, About, and Contact. Below the header is the registration form. The "Email" field contains "test@test". The "Password" field contains "Nottingham123". The "Confirm password" field is empty. A validation message in a green box states: "• Passwords must have at least one non letter or digit character." A "Register" button is present below the form.

### Register.

Create a new account.

- Passwords must have at least one non letter or digit character.

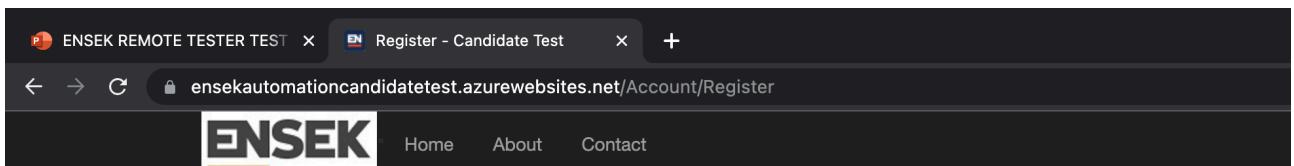
Email

Password

Confirm password

[For Candidate Testing Purposes Only]

## Scenario 7: Enter different values in password and confirm password fields



The screenshot shows a browser window with two tabs: "ENSEK REMOTE TESTER TEST" and "Register - Candidate Test". The main content area displays the "Register" page for the domain "ensekautomationcandidatestest.azurewebsites.net/Account/Register". The page has a header with the ENSEK logo and navigation links for Home, About, and Contact. Below the header is the registration form. The "Email" field contains "test@test". The "Password" field contains ".....". The "Confirm password" field also contains ".....". A validation message in a green box states: "• The password and confirmation password do not match." A "Register" button is present below the form.

### Register.

Create a new account.

- The password and confirmation password do not match.

Email

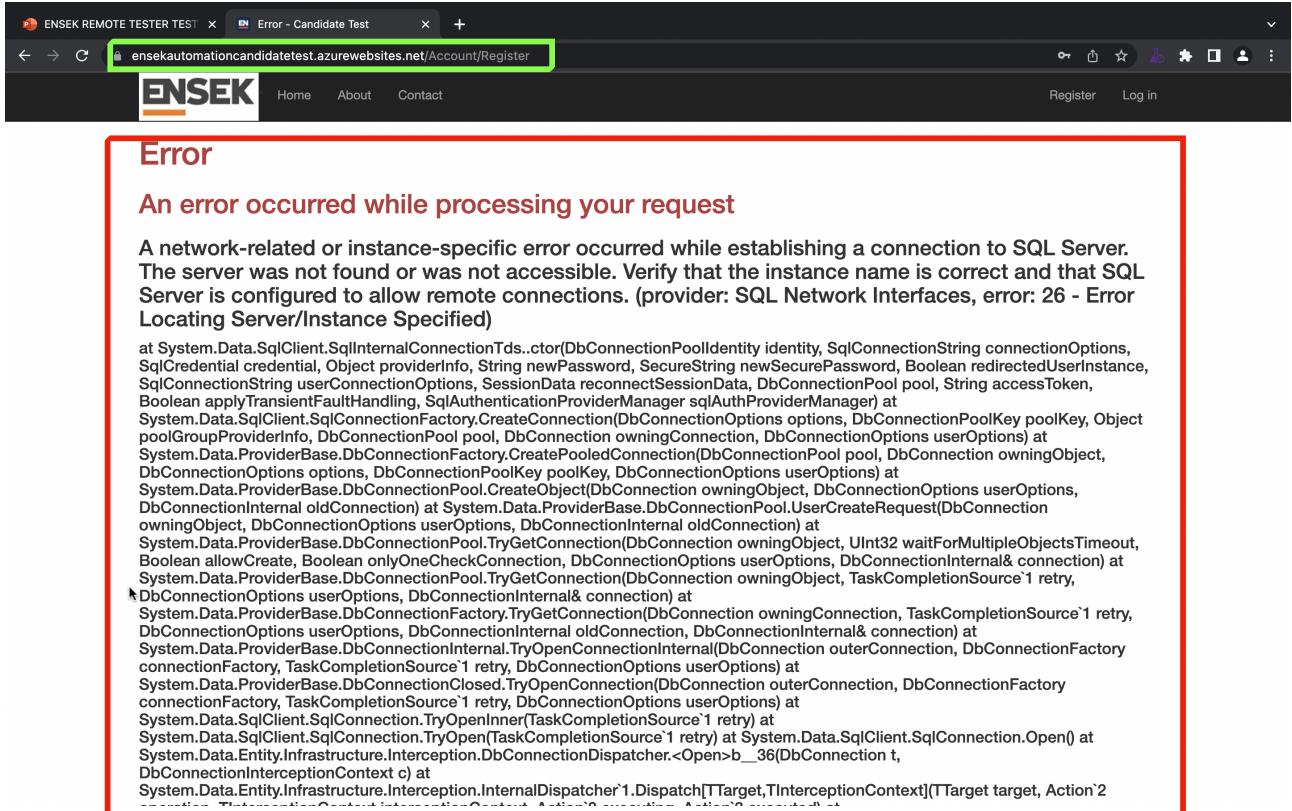
Password

Confirm password

[For Candidate Testing Purposes Only]

## Scenario 8: Enter valid values in Email, Password fields & click on Register

*Network Error Screen is displayed upon registering a new Customer.*



The screenshot shows a browser window titled "ENSEK REMOTE TESTER TEST" with a tab labeled "Error - Candidate Test". The URL in the address bar is "ensekautomationcandidatetest.azurewebsites.net/Account/Register". The page itself has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". On the right side of the header are "Register" and "Log in" buttons. The main content area is titled "Error" and contains the message "An error occurred while processing your request". Below this message is a detailed stack trace of the error:

```
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.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.TryOpenInInternal(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
```

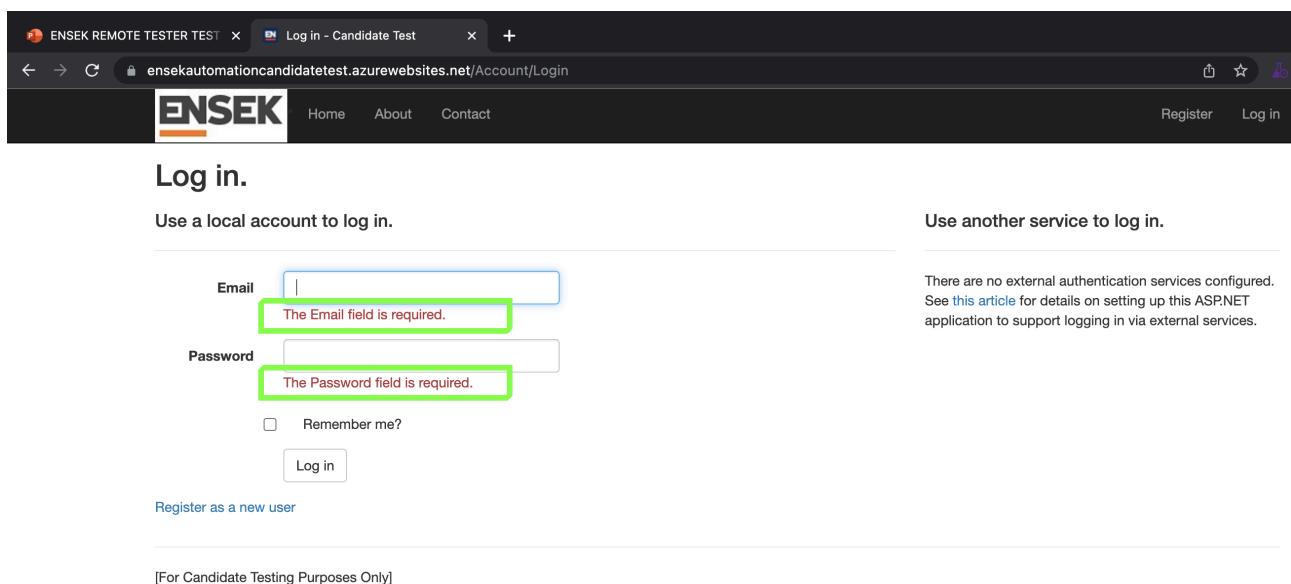
# TC006 - Verify Login Page

The screenshot shows the ENSEK Energy Corp. website. At the top, there is a dark header with the ENSEK logo, a navigation menu with links to Home, About, and Contact, and two buttons for Register and Log in. Below the header is a large, light-colored main content area. In the center, the text "ENSEK Energy Corp." is displayed in a large, bold font, followed by the subtitle "Doing all things energy since 2010!". Below this is a blue button labeled "Find out more »". To the left, under the heading "Buy some energy", there is a brief description and a "Buy energy »" button. To the right, under "Sell some energy", there is a brief description and a "Sell energy »" button. On the far right, under "About us", there is a brief description and a "Learn more »" button. At the bottom of the page, a small note reads "[For Candidate Testing Purposes Only]".

The screenshot shows the Log in - Candidate Test page. The URL in the browser address bar is "ensekautomationcandidatetest.azurewebsites.net/Account/Login". The page has a similar header to the homepage with the ENSEK logo, navigation links, and registration/login buttons. The main content is a login form enclosed in a green box. The form has the heading "Log in." and the sub-instruction "Use a local account to log in." It contains fields for "Email" (with the value "test@test.com") and "Password" (with the value "\*\*\*\*\*"). There is also a "Remember me?" checkbox and a "Log in" button. Below the form is a blue "Register as a new user" button. 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." At the bottom of the page, a note reads "[For Candidate Testing Purposes Only]".

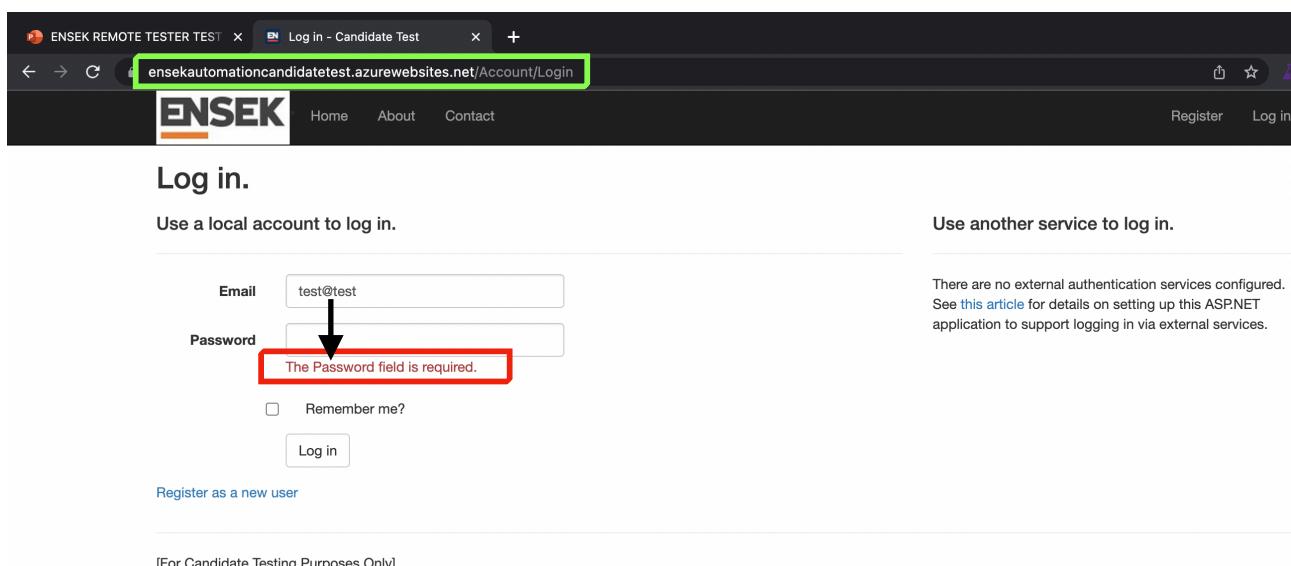
# TC007 - Verify Login Form Validation

## Scenario 1: Click on Log in without entering any details



The screenshot shows the ENSEK login page. At the top, there are two tabs: "ENSEK REMOTE TESTER TEST" and "Log in - Candidate Test". The URL in the address bar is "ensekautomationcandidatetest.azurewebsites.net/Account/Login". The page has a dark header with the ENSEK logo and navigation links for Home, About, Contact, Register, and Log in. The main content area is titled "Log in." and says "Use a local account to log in." Below this are two input fields: "Email" and "Password". Both fields have red validation messages: "The Email field is required." and "The Password field is required." respectively. There is also a "Remember me?" checkbox and a "Log in" button. To the right, there is a link to "Use another service to log in." and a note about external authentication services.

## Scenario 2: Enter EMAIL in a not email format and click Log in



This screenshot shows the same ENSEK login page as the previous one, but with different input values. The "Email" field contains "test@test" and the "Password" field is empty. A black arrow points from the "Password" field to its validation message, "The Password field is required.", which is enclosed in a red box. The rest of the page structure is identical to the first screenshot, including the header, navigation, and additional validation notes on the right side.

## Scenario 3: Enter valid email address with a wrong password

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Error - Candidate Test". The address bar contains "ensekautomationcandidatetest.azurewebsites.net/Account/Login". The page itself has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". On the right side of the header are "Register" and "Log In" buttons. Below the header, a red-bordered box contains the word "Error" in bold. Underneath it, the text "An error occurred while processing your request" is displayed in red. A detailed error message follows, starting with "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)". The error message is a long stack trace from the .NET framework's System.Data.SqlClient namespace, detailing the process of attempting to connect to a SQL Server.

## Scenario 4: Enter valid email address and password

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Error - Candidate Test". The address bar contains "ensekautomationcandidatetest.azurewebsites.net/Account/Login". The page itself has a dark header with the "ENSEK" logo and navigation links for "Home", "About", and "Contact". On the right side of the header are "Register" and "Log In" buttons. Below the header, a red-bordered box contains the word "Error" in bold. Underneath it, the text "An error occurred while processing your request" is displayed in red. A detailed error message follows, starting with "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)". The error message is a long stack trace from the .NET framework's System.Data.SqlClient namespace, detailing the process of attempting to connect to a SQL Server.

# TC008 - Verify Sell Some Energy page

ENSEK REMOTE TESTER TEST X ENSEK Energy Corp. - Candidate Test +

ensekautomationcandidatetest.azurewebsites.net

ENSEK Home About Contact Register Log in

# ENSEK Energy Corp.

Doing all things energy since 2010!

[Find out more »](#)

---

**Buy some energy**

We have various types of energy that can be procured ranging from gas to nuclear power.

[Buy energy »](#)

**Sell some energy**

Got some surplus energy? We'll take it off your hands for a good price.

[Sell energy »](#)

[For Candidate Testing Purposes Only]

ENSEK REMOTE TESTER TEST X Sell - Candidate Test +

ensekautomationcandidatetest.azurewebsites.net/Energy/Sell

ENSEK Home About Contact Register Log in

Here to sell some energy?



[For Candidate Testing Purposes Only]

# TC009 - Verify Buy Some Energy page

The screenshot shows the ENSEK Energy Corp. homepage. At the top, there is a navigation bar with links for Home, About, Contact, Register, and Log in. The main content area features the company logo "ENSEK" and the text "Doing all things energy since 2010!". Below this is a blue button labeled "Find out more »". The page is divided into three main sections: "Buy some energy", "Sell some energy", and "About us". Each section has a brief description and a corresponding button: "Buy energy »" for the first, "Sell energy »" for the second, and "Learn more »" for the third.

ENSEK Energy Corp.  
Doing all things energy since 2010!  
Find out more »

**Buy some energy**  
We have various types of energy that can be procured ranging from gas to nuclear power.  
Buy energy »

**Sell some energy**  
Got some surplus energy? We'll take it off your hands for a good price.  
Sell energy »

**About us**  
We've been around for a while and have a story to tell...  
Learn more »

[For Candidate Testing Purposes Only]

The screenshot shows the "Buy Energy" page. The URL in the browser bar is "ensekautomationcandidatestest.azurewebsites.net/Energy/Buy". The page title is "Buy Energy". It displays a table of energy types with their prices and availability. A green box highlights the table. To the right, a red box contains a promotional message about a 30% discount on gas, with a red circle and arrow pointing to a "SAVE 20%" button. A "Reset" button is also visible in the green box area.

**Buy Energy**  
The time is 8:32 PM on Tuesday 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	Quantity of Units Available	Number of Units Required
Gas	£0.34 per m3	3000	<input type="text" value="0"/> <a href="#">Buy</a>
Nuclear	£0.56 per MW	0	Not Available
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/> <a href="#">Buy</a>
Oil	£0.50 per Litres	20	<input type="text" value="0"/> <a href="#">Buy</a>

Today we have a special discount of 30% off all Gas!  
SAVE 20%

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

# TC010 - Verify Buying of Energy form

The screenshot shows a web browser window for 'ENSEK REMOTE TESTER TEST' and 'Buy - Candidate Test'. The URL is 'ensekautomationcandidatest.azurewebsites.net/Energy/Buy'. The page title is 'Buy Energy'. It displays a table of energy types with columns: Energy Type, Price, Quantity of Units Available, and Number of Units Required. A 'Reset' button is available. To the right, a promotional message says '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
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!

SAVE 20%

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

## Enter a positive value and purchase Gas Energy

### Buy Energy

The time is 8:45 PM on Tuesday 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

The screenshot shows a web browser window for 'ENSEK REMOTE TESTER TEST' and 'Buy - Candidate Test'. The URL is 'ensekautomationcandidatest.azurewebsites.net/Energy/Buy'. The page title is 'Buy Energy'. It displays a table of energy types with columns: Energy Type, Price, Quantity of Units Available, and Number of Units Required. A 'Reset' button is available. In the 'Number of Units Required' column for Gas, the input field contains '100' with a green box highlighting it. To the right, a promotional message says '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
Gas	£0.34 per m3	3000	<input type="text" value="100"/>  <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!

SAVE 20%

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

ENSEK REMOTE TESTER TEST | Sale Confirmed - Candidate Test

[ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=100&energyType=Gas&amountLeft=2900](https://ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=100&energyType=Gas&amountLeft=2900)

ENSEK Home About Contact Register Log in

## Sale Confirmed!

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.

[Buy more »](#)

[For Candidate Testing Purposes Only]

## Available Gas quantity is reduced by '100' in the Bug Energy page

### Buy Energy

The time is 9:47 PM on Tuesday 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	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	2900	0	<input type="button" value="Buy"/>
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	0	<input type="button" value="Buy"/>
Oil	£0.50 per Litres	20	0	<input type="button" value="Buy"/>

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

SAVE  
20%

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

Enter the Buy quantity value exactly same as available stock i.e., '2900'

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	2900	2900	<input type="button" value="Buy"/>
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	0	<input type="button" value="Buy"/>
Oil	£0.50 per Litres	20	0	<input type="button" value="Buy"/>

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

SAVE  
20%

Ensure the Sale Confirmation displays the remaining quantity of Gas units as '0'

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Sale Confirmed - Candidate Test". The URL is "ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=2900&energyType=Gas&amountLeft=0". The page features the ENSEK logo at the top right. Below it, there are links for "Home", "About", and "Contact", along with "Register" and "Log in" buttons. The main content area has a heading "Sale Confirmed!" and a message box containing the text: "Thank you for your purchase of 2900 units of Gas We have popped it in the post and it will be with you shortly. There are now 0 units of Gas left in our stores." A "Buy more »" button is located below the message box. At the bottom, a note says "[For Candidate Testing Purposes Only]".

Gas Energy availability is updated as '0' and made unavailable to buy anymore.

## Buy Energy

The time is 9:56 PM on Tuesday 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	Quantity of Units Available	Number of Units Required	
Gas	£0.34 per m3	0	Not Available	
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/>	<a href="#">Buy</a>
Oil	£0.50 per Litres	20	<input type="text" value="0"/>	<a href="#">Buy</a>

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



[Back to Homepage](#)

[For Candidate Testing Purposes Only]

<ABOVE STEPS WERE REPEATED FOR OTHER ENERGY TYPES AND IT WORKS AS EXPECTED>

The screenshot shows a browser window with the title bar "ENSEK REMOTE TESTER TEST" and "Buy - Candidate Test". The URL is "ensekautomationcandidatestest.azurewebsites.net/Energy/Buy". The page features the ENSEK logo at the top right. Below it, there are links for "Home", "About", and "Contact", along with "Register" and "Log in" buttons. The main content area has a heading "Buy Energy" and a message box containing the text: "The time is 10:00 PM on Tuesday 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". A "Reset" button is located below the message box. The table below shows that all energy types (Gas, Nuclear, Electricity, Oil) have 0 units available and are not available for purchase. A "Circular green dashed outline" highlights the entire table. To the right of the table, a "Today we have a special discount of 30% off all Gas!" message and a "SAVE 20%" badge are displayed. At the bottom, a "Back to Homepage" link is present.

# TC011 - Verify Buying of Energy form - Negative Scenarios

## Scenario 1 - Buy '0' units of Gas Quantity

The screenshot shows the ENSEK Energy Buy page. At the top, there are three tabs: 'ENSEK REMOTE TESTER TEST', 'ENSEK Test API Application', and 'Buy - Candidate Test'. The URL in the address bar is 'ensekautomationcandidatestest.azurewebsites.net/Energy/Buy'. The page has a dark header with the ENSEK logo and navigation links for 'Home', 'About', and 'Contact'. On the right, there are 'Register' and 'Log in' buttons.

**Buy Energy**

The time is 8:55 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

[Reset](#)

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m <sup>3</sup>	3000	<input type="text" value="0"/>	<a href="#">Buy</a>
Nuclear	£0.56 per MW	0	Not Available	
Electricity	£0.47 per kWh	4322	<input type="text" value="0"/>	<a href="#">Buy</a>
Oil	£0.50 per Litres	20	<input type="text" value="0"/>	<a href="#">Buy</a>

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

**SAVE 20%**

[Back to Homepage](#)

The screenshot shows the ENSEK Energy Sale Confirmation page. The browser tab is 'Sale Confirmed - Candidate Test'. The URL in the address bar is 'ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=0&energyType=Gas&amountLeft=3000'. The page has a dark header with the ENSEK logo and navigation links for 'Home', 'About', and 'Contact'. On the right, there are 'Register' and 'Log in' buttons.

**Sale Confirmed!**

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.

[Buy more »](#)

[For Candidate Testing Purposes Only]

## Scenario 2 - Enter Non-Digit (non numerical) value for Gas Quantity while buying

The screenshot shows a web 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 "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 is a section titled "Buy Energy" with a message: "The time is 9:06 AM on Wednesday and the trading window is open". It instructs users to use a table to select energy types, quantities, and required units. A "Reset" button is available. The table data is as follows:

Energy Type	Price	Quantity of Units Available	Number of Units Required	Buy
Gas	£0.34 per m3	3000	<input type="text" value="ABC"/>	<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>

A red box highlights the "Number of Units Required" input field for the Gas row, which 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 "SAVE 20%" badge.

[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 a web browser window with three tabs: "ENSEK REMOTE TESTER TEST", "ENSEK Test API Application", and "Error - Candidate Test". The active tab is "Error - Candidate Test" with the URL "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 is a red-bordered error box with the title "Error" and the message "An error occurred while processing your request". Inside the box, the error details are listed: "Input string was not in a correct format." followed by a long stack trace of .NET framework code. At the bottom of the error 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\Test Application\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.<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 at System.Web.Mvc.Async.AsyncControllerActionInvoker.AsyncInvocationWithFilters.<>c__DisplayClass11_2.<InvokeActionMethodFilterAsynchronouslyRecursive>b__20 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)
```

## Scenario 3 - Enter Negative value for Gas Quantity 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 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', and 'Contact', along with 'Register' and 'Log in' buttons.

The main content area is titled 'Buy Energy' and displays a message: 'The time is 9:06 AM on Wednesday and the trading window is open'. It instructs users to use a table to select energy types, quantities, and required units, and provides a 'Reset' button.

A table lists energy types, their prices, available units, and required units. The 'Gas' row is highlighted with a green border. In the 'Number of Units Required' column for Gas, the value '-100' is entered. A 'Buy' button is next to this row.

To the right of the table, a promotional message says 'Today we have a special discount of 30% off all Gas!' and features a red circle with 'SAVE 20%'.

**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. The browser tabs are the same as the previous screenshot. The URL is 'ensekautomationcandidatestest.azurewebsites.net/Energy/SaleConfirmed?amountBought=-100&energyType=Gas&amountLeft=3100'. The page layout is similar to the 'Buy Energy' page, with the ENSEK header and navigation.

The main content area 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 box.

At the bottom, there is a 'Buy more »' button.

The screenshot shows the ENSEK 'Buy Energy' page again. The browser tabs and URL are identical to the previous screenshots. The page layout is consistent.

The main content area displays a message: 'The time is 9:21 AM on Wednesday and the trading window is open'. It instructs users to use a table to select energy types, quantities, and required units, and provides a 'Reset' button.

A table lists energy types, their prices, available units, and required units. The 'Gas' row is highlighted with a red border. In the 'Number of Units Required' column for Gas, the value '0' is entered. A 'Buy' button is next to this row.

To the right of the table, a promotional message says 'Today we have a special discount of 30% off all Gas!' and features a red circle with 'SAVE 20%'.

## Scenario 4 - Enter a value greater than available quantity of units for Gas while buying

The screenshot shows the ENSEK 'Buy Energy' page. A user has entered '3200' into the 'Number of Units Required' input field for Gas, which is highlighted with a green border. The table lists the following data:

Energy Type	Price	Quantity of Units Available	Number of Units Required
Gas	£0.34 per m3	3100	<input type="text" value="3200"/>
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"/>

A red 'Buy' button is visible next to each row. To the right, there's a promotional message: 'Today we have a special discount of 30% off all Gas!' and a 'SAVE 20%' badge.

[Back to Homepage](#)

**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. A message box states: '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.' A red border highlights this message box. Below it is a 'Buy more >' button.

The screenshot shows the ENSEK 'Buy Energy' page again. This time, the 'Number of Units Required' input field for Gas is highlighted with a red border, indicating an error. The table data is identical to the previous screenshot. The promotional message and 'Buy' button are also present.

<ABOVE STEPS WERE REPEATED FOR OTHER ENERGY TYPES AND IT FAILS DUE TO THE SAME ISSUE>

The time is 9:45 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

Reset

Energy Type	Price	Quantity of Units Available	Number of Units Required
Gas	£0.34 per m3	-100	Not Available
Nuclear	£0.56 per MW	0	Not Available
Electricity	£0.47 per kWh	-78	Not Available
Oil	£0.50 per Litres	-10	Not Available

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

SAVE 20%

[Back to Homepage](#)

[For Candidate Testing Purposes Only]

## API Automation using Postman

Successful execution screenshot:

Working locally in Scratch Pad. Switch to a Workspace

ENSEK API Test No Environment, just now

Method	Name	Status
POST	Login	1   0
GET	Energy	12   0
PUT	Buy Order	4   0
GET	Orders	6   0
POST	Reset	4   0