

How to check if GeneXus is installed correctly

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Abstract

In this document you will find the steps required to confirm whether GeneXus Full and GeneXus Learning work correctly for training courses.

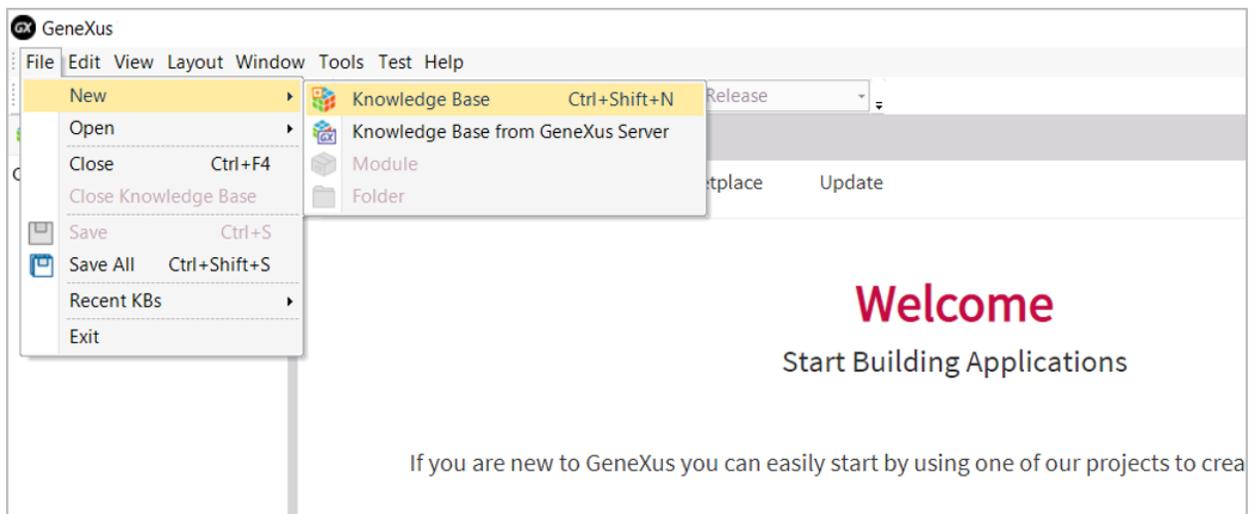
Both GeneXus Full and GeneXus Learning provide two prototyping options: **locally** or on the **cloud**.

For the tests described below, local prototyping was used.

Creating a Web application in GeneXus

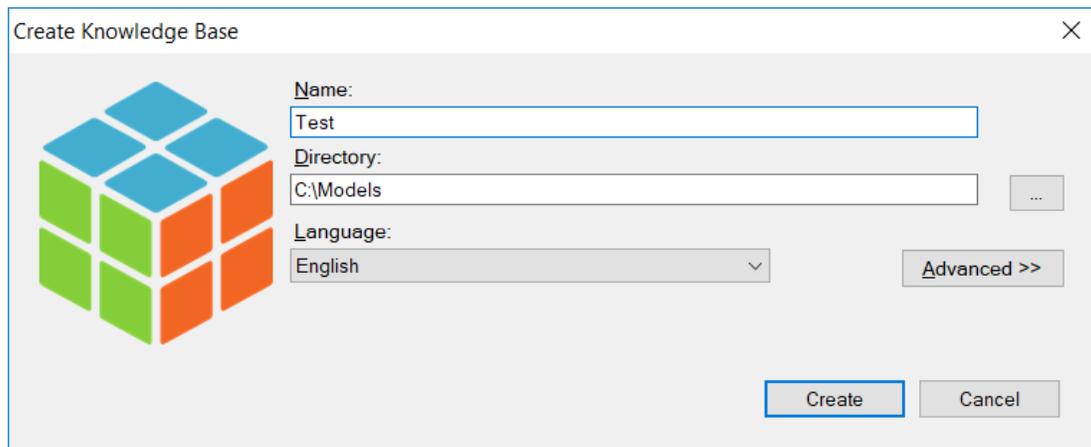
To perform the following steps, it is assumed that GeneXus is already installed, that the corresponding license is activated, and that GeneXus is run from the desktop shortcut.

Step 1 – Creating a Knowledge Base

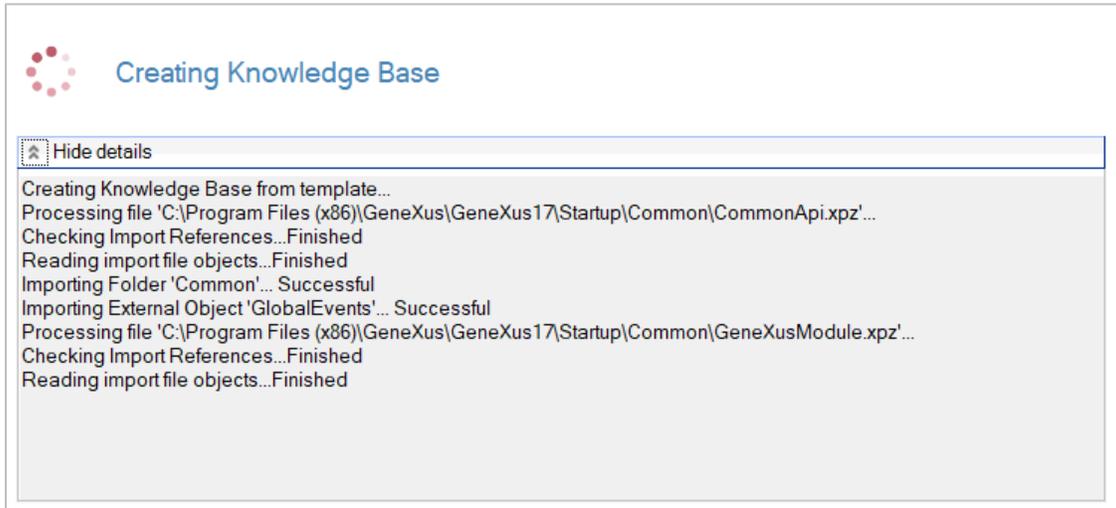
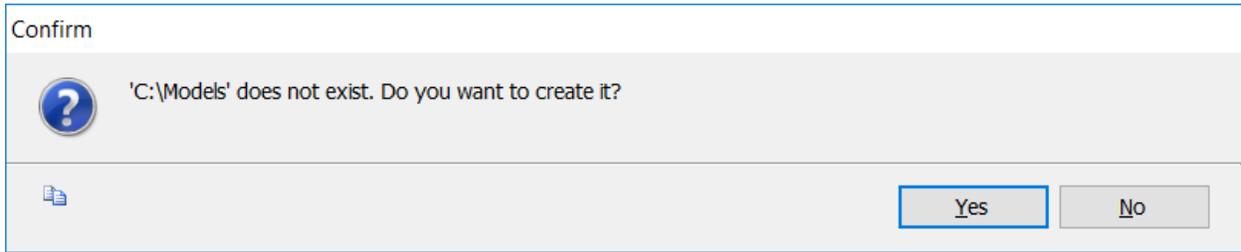


In the menu, select **File** → **New** → **Knowledge Base**:

Call it Test and click on **Create**:

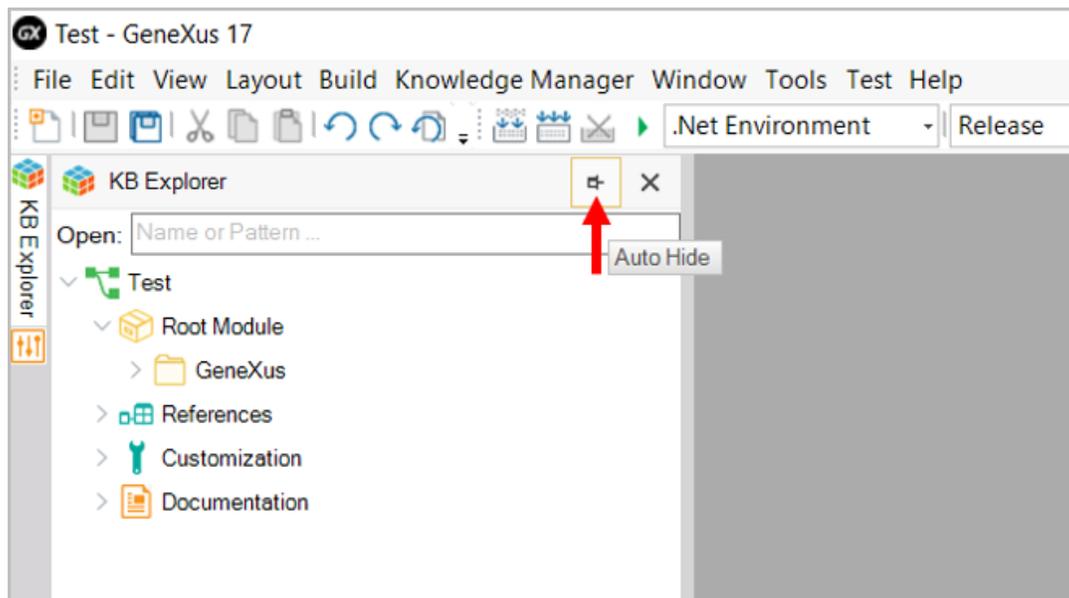


Accept the creation of the folder *C:\Models* by clicking on **Yes**.



GeneXus indicates that the KB is being created:

When it is complete, you will see that the contents of the GeneXus development environment have changed. Open the KB Explorer and anchor the window by clicking on the *AutoHide* pin.

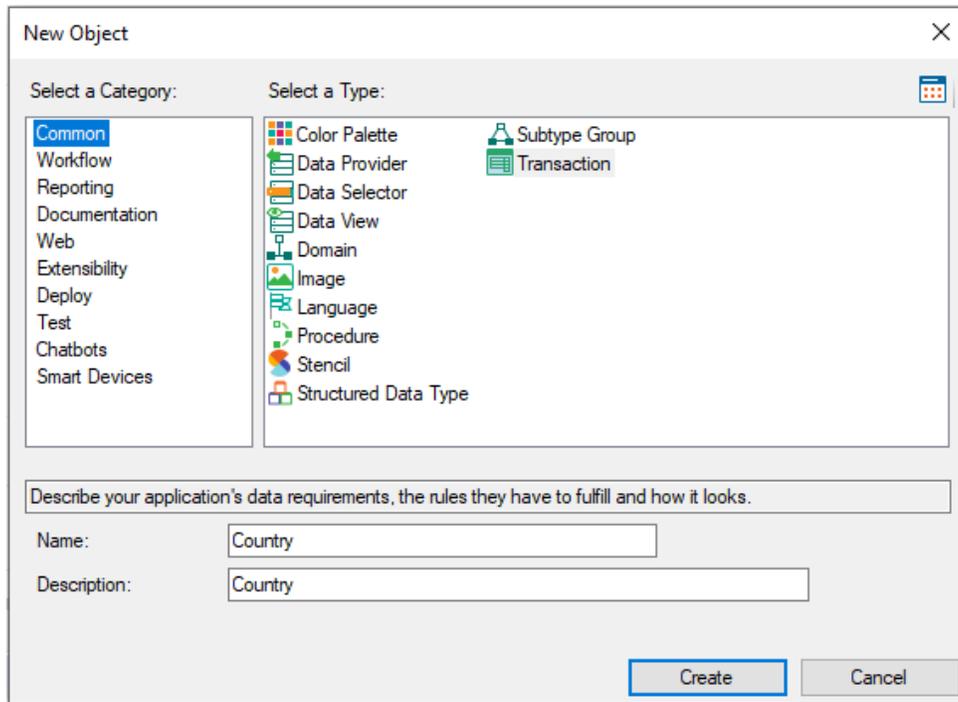


Note that GeneXus has automatically created some components that can be seen below the *Test* node, which corresponds to your KB.

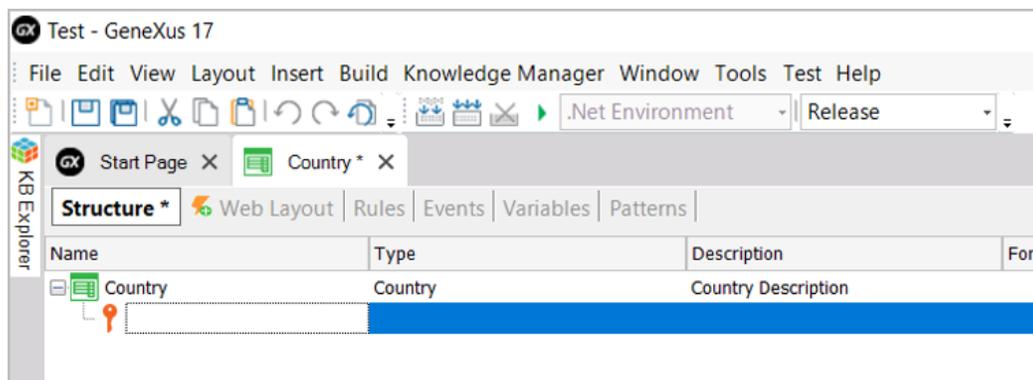
Step 2 – Creating a transaction object

Now, create a GeneXus object to store, view, and change data over a database.

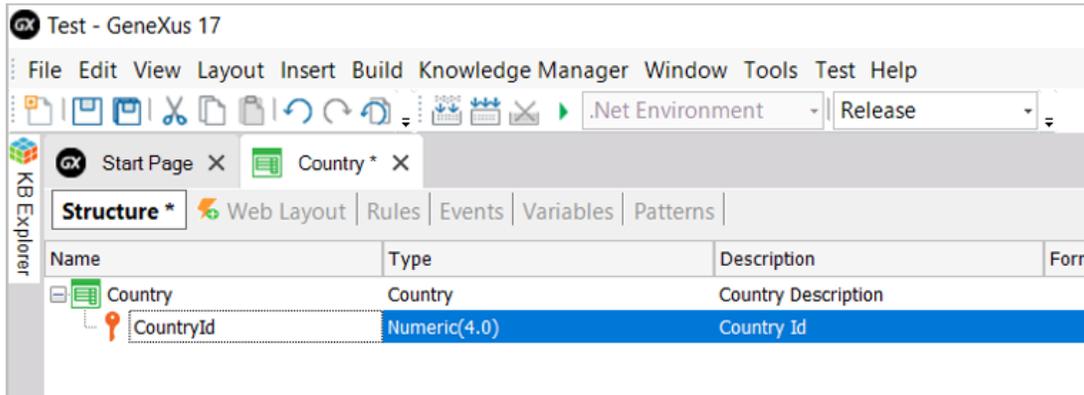
In the menu, click on File → New → Object, select an object of Transaction type, call it *Country* and click on **Create**.



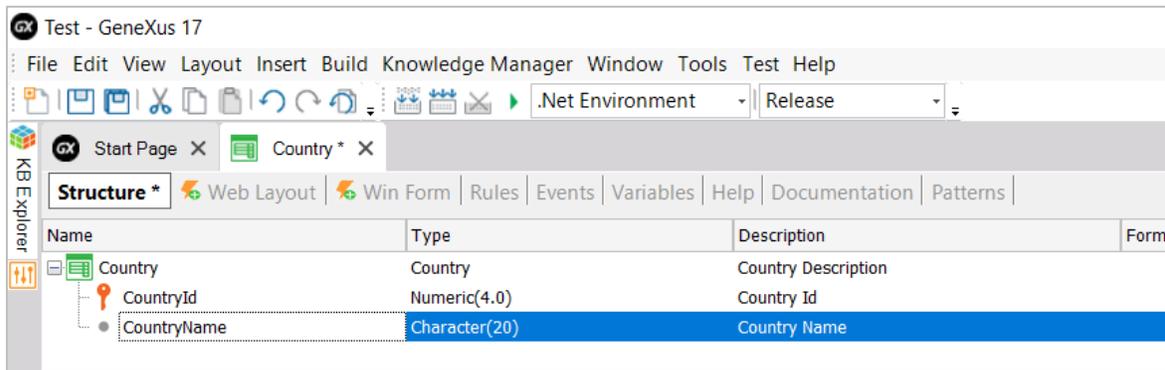
Note that a Country object has been created, and that you're positioned on the Structure tab. In it, add the Country attributes to be stored, starting by its identifier (key symbol).



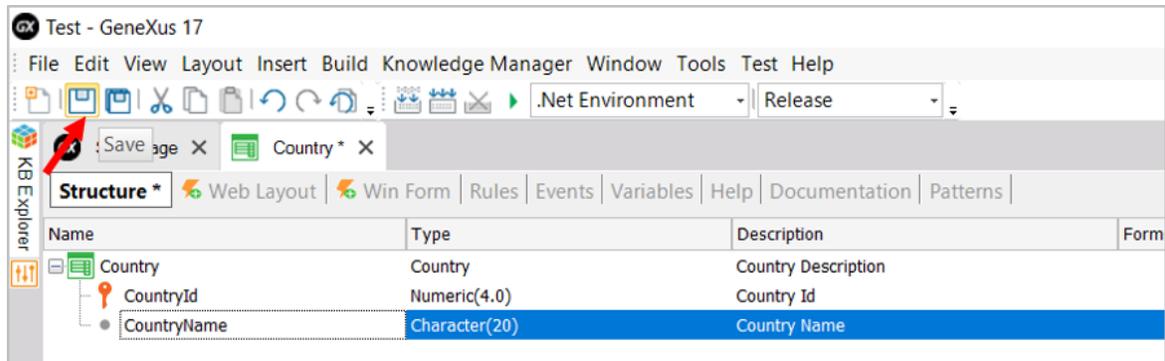
Here, type CountryId, click on Tab, leave the default data type (numeric value of length 4, with no decimals) and press Enter.



Press Enter again and add the CountryName attribute, of Character(20) type.



Save the Country object using the corresponding icon in the toolbar.

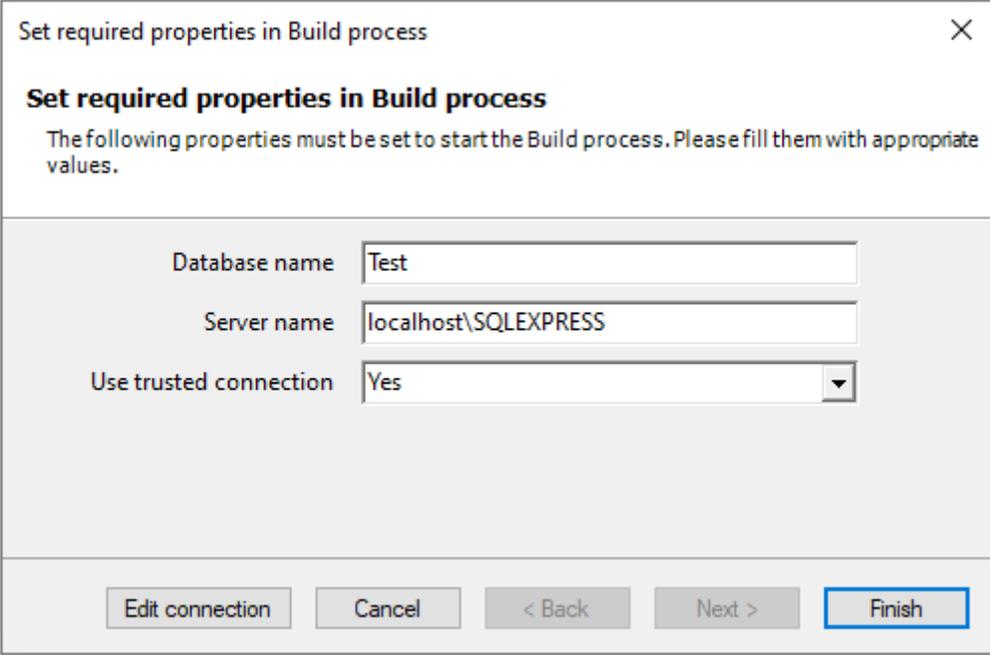


Step 3 – Creating and running the Web application

The transaction object is ready to be executed.

To do so, press **F5**.

The following dialog box is opened, prompting for the database and server name. Enter *Test* as the database name and the machine's name or *localhost* as server name, followed by “\SQLEXPRESS”, as shown below. Leave the default value –**Use trusted connection**– unchanged and click on **Finish**.



Set required properties in Build process

Set required properties in Build process

The following properties must be set to start the Build process. Please fill them with appropriate values.

Database name: Test

Server name: localhost\SQLEXPRESS

Use trusted connection: Yes

Buttons: Edit connection, Cancel, < Back, Next >, Finish

GeneXus runs a database creation analysis and shows the following impact analysis, which indicates that a table called Country will be created. Click on **Create**.

The screenshot shows the 'Impact Analysis' window in GeneXus. The main title is 'The Database tables will be created.' Below this, it says 'This report describes how the Database tables will be created. Please select Create to proceed or Cancel.' There are 'Create' and 'Cancel' buttons. On the left, there is a 'Pattern:' field and a list containing 'Country' with a checkmark. The main area is titled 'Table Country specification' and contains the following information:

- Table name:** Country
- Country is new**
- Table Structure:**

Attribute	Definition	Previous values	Takes value from
CountryId	Numeric (4), Not null		
CountryName	Character (20), Not null, NLS		
- Indexes:**

Name	Definition	Composition
ICOUNTRY	primary key Clustered	CountryId
- Statements:**

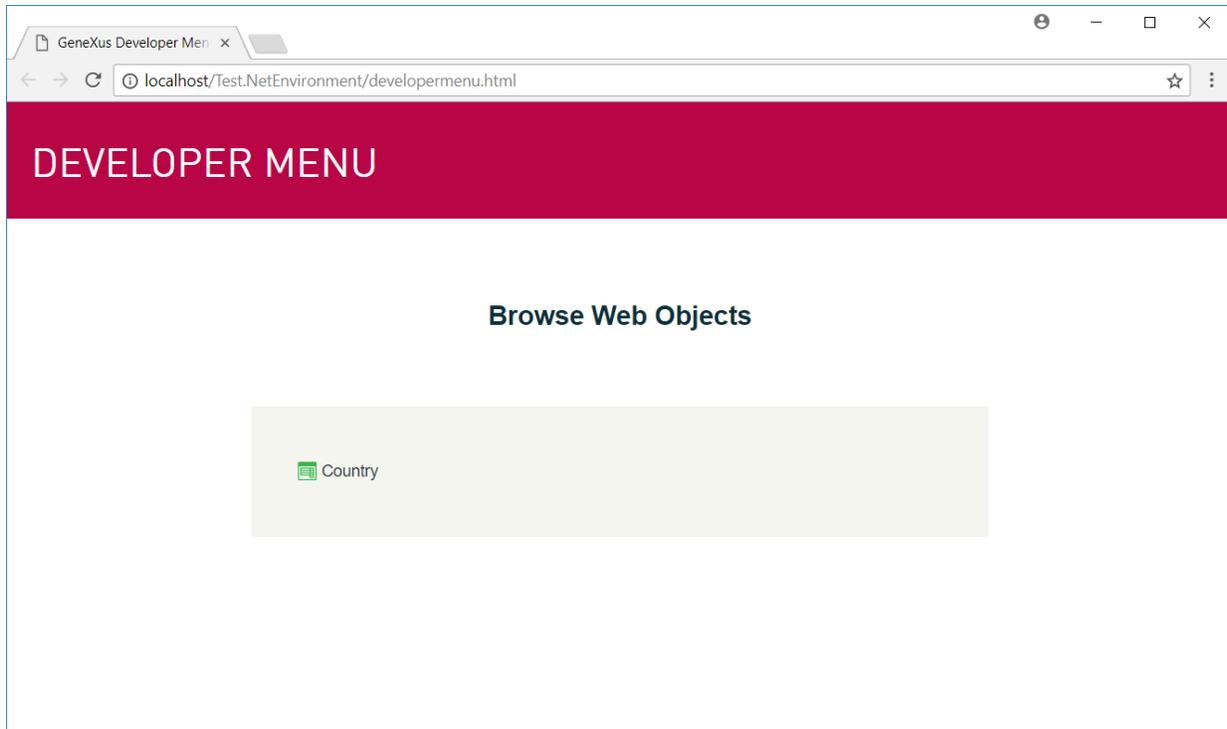
```
CREATE TABLE [Country] (
  [CountryId] SMALLINT NOT NULL,
  [CountryName] VARCHAR(20) NOT NULL)
```

At the bottom, there is a status bar showing '0 Errors', '0 Warnings', and '1 Success'. Below that is an 'Output' window with the following text:

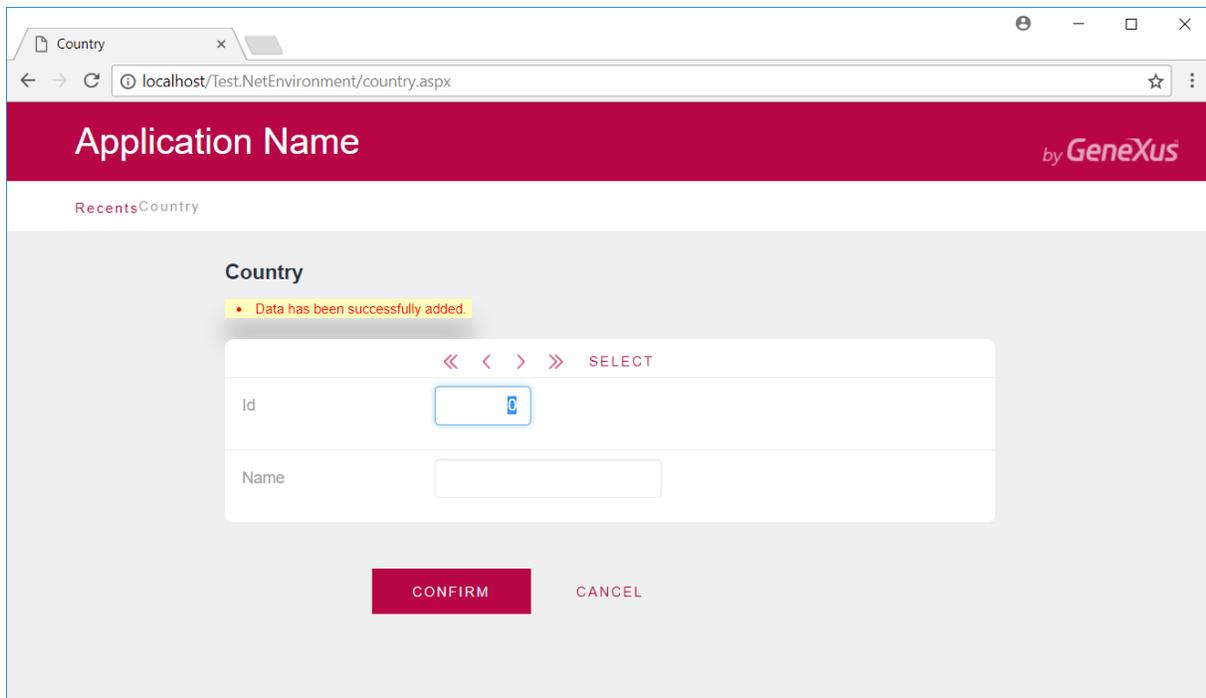
```
Show: Build
Searching redundancy in Country
Updating redundancy in Country
Specifying GXLRED ...
Loading table and attribute properties ...
Saving specifications.
Success: Database Creation Analysis
```

Next, GeneXus will automatically create the application. To do so, it will generate the necessary source code, and compile it and execute it.

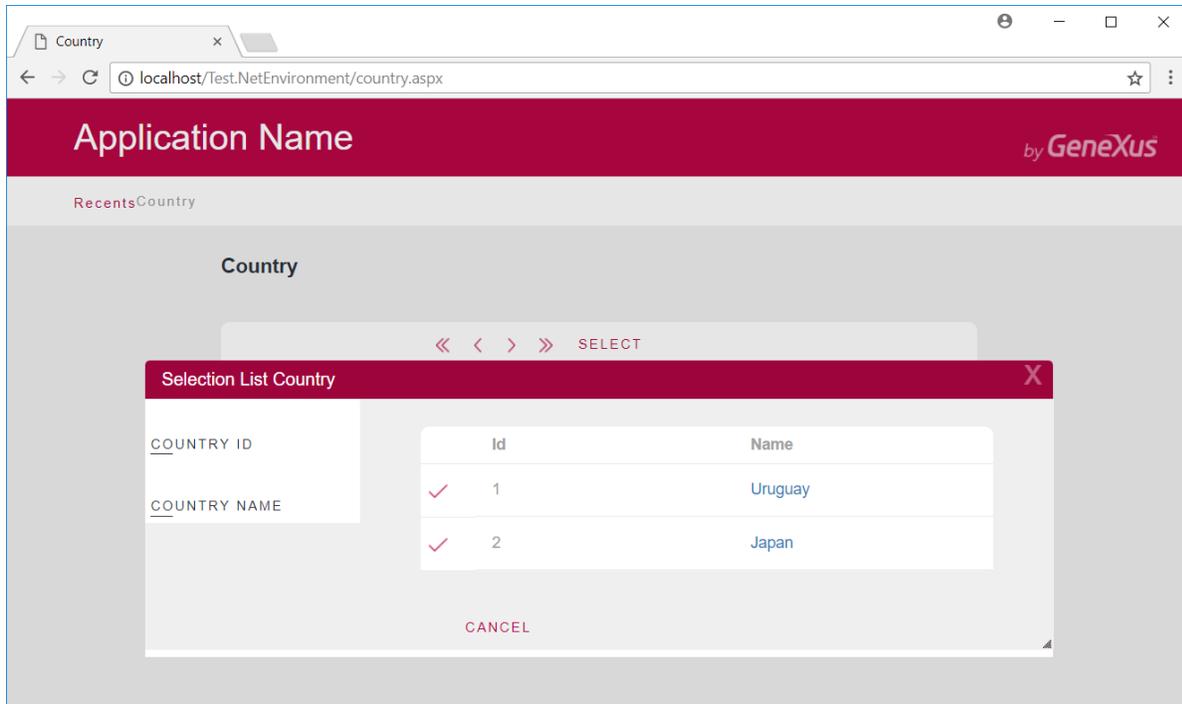
A browser window is opened with a developer menu that includes a link to Country.



Click on Country, and a screen will be opened to enter a country's details. Enter 1 as ID value, and *Uruguay* as name. Next, click on the Confirm button. GeneXus displays a notification to inform you that the data has been entered successfully.



Now, enter an ID with value 2 and the name *Japan*, and click on Confirm. Click on the Back and Next buttons to confirm that the details of both countries have been entered. You can also click on Select to view the records entered:



In this way, you have checked that the Test database and the Country table with attributes for the identifier and country name have been created in GeneXus. You've also checked that GeneXus will correctly create the Web application to access and maintain the countries' data.

If you were able to successfully perform all the steps indicated in this document, you can use GeneXus for your training. We suggest visiting the links below; if you find any issues, please send an email to training@genexus.com.

Related Links

- 1) Installation requirements and restrictions:

[GeneXus 16 hardware and software requirements](#)

- 2) GeneXus Documentation Wiki:

[GeneXus Community Wiki](#)

- 3) GeneXus training website:

[GeneXus Training Site](#)