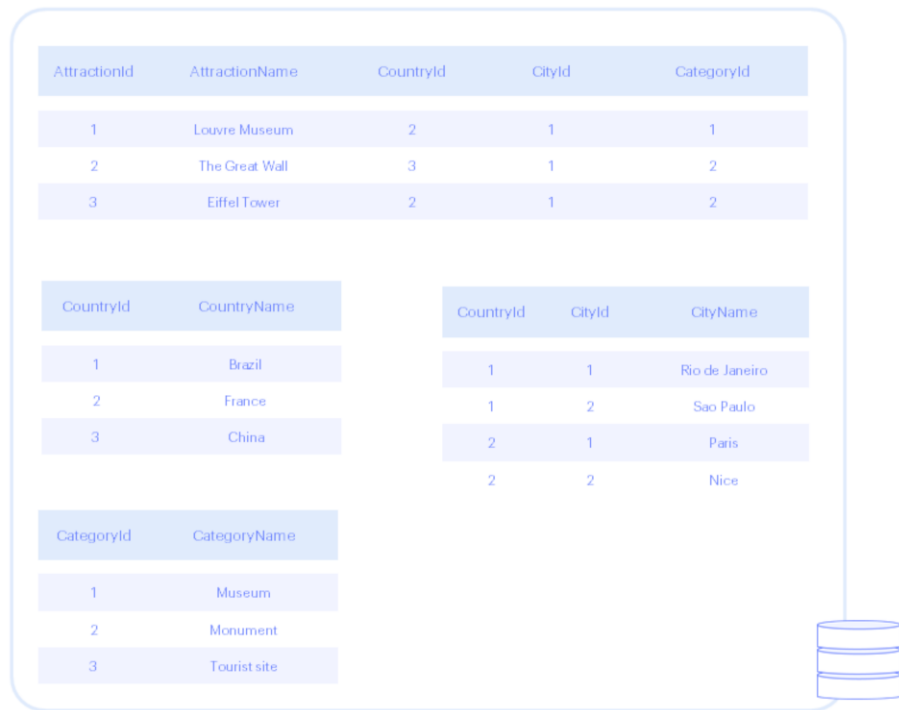


Web Screens

Base Tables and Web Panel Navigation. Introduction

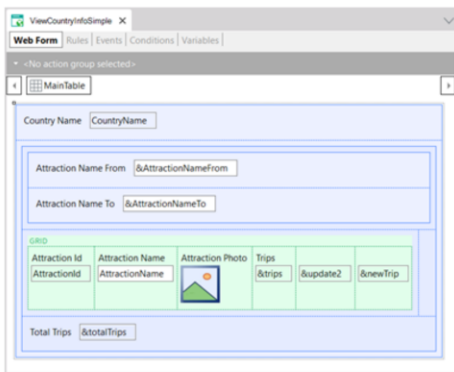
GeneXus[™]

Web Panels

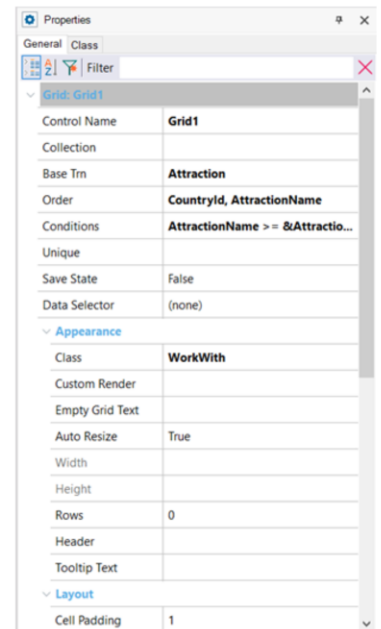


Tables?

We will focus on a very important aspect of web panel logic: the way in which GeneXus determines which tables to navigate in order to load data into the screen.



Web Form | Rules | **Events** | Conditions | Variables



And we will do this to understand why sometimes we are convinced that GeneXus should be doing one thing and it is actually doing another.

Usually this happens because we did not pay attention to a certain part of the panel that causes the unwanted behavior.

Web Panels

No Grid

A web panel layout with no grid. It features a vertical stack of form fields on the left side, including 'Name' (AttractionName), 'Country Id' (CountryId), 'Country Name' (CountryName), 'City Name' (CityName), 'Category Name' (CategoryName), and 'Trips' (&trips). A small image icon is positioned to the right of the 'Country Name' field. The right side of the panel is mostly empty space.

One Grid

A web panel layout with one grid. It includes a search form at the top with fields for 'Country Name' (CountryName), 'Attraction Name From' (&AttractionNameFrom), and 'Attraction Name To' (&AttractionNameTo). Below the search form is a data grid with columns for 'Attraction Id' (AttractionId), 'Attraction Name' (AttractionName), 'Attraction Photo' (Attraction Photo), 'Trips' (&trips), '&update2', and '&newTrip'. A 'Total Trips' (&totalTrips) label is located below the grid.

Several Grids

A web panel layout with several grids. It features a search form at the top with fields for 'Country Name' (CountryName), 'Attraction Name From' (&AttractionNameFrom), and 'Attraction Name To' (&AttractionNameTo). Below the search form is a data grid with columns for 'Attraction Id' (AttractionId), 'Attraction Name' (AttractionName), 'Attraction Photo' (Attraction Photo), 'Trips' (&trips), '&update2', and '&newTrip'. A 'Total Trips' (&totalTrips) label is located below the grid. To the right of the search form is a summary table with columns for 'City Name' (CityName), 'City Id' (CityId), 'City Name' (CityName), and 'Attractions' (Attractions). Below the search form is another data grid with columns for 'Attraction Id' (AttractionId), 'Attraction Name' (AttractionName), 'Attraction Photo' (Attraction Photo), 'Trips' (&trips), '&update2', and '&newTrip'. A 'Total Attractions' (&totalAttractions) label is located below the grid.

We will divide our object of study into web panels with no grid, with one grid, and with several grids.

With no Grid

Web panels with no grids. Here is an example where we have attributes in the form and one variable. And here we see it at runtime. This is the data of a tourist attraction, received by parameter (in the context of the application for a travel agency with which we have been working on most of the videos).


With one Grid

Country Id

Attraction Name From

Attraction Name To

GRID

Attraction Id	Attraction Name	Attraction Photo	Trips		
AttractionId	AttractionName		&trips	&update2	&newTrip

Total Trips

WWAttractions From Scratch

trialapps3.genexus.com/ld69ba27105be8069c295a9a8d93e5557a/wwattractionsfromscratch.aspx







Travel Agency

RecentView Country Info ... — View Attraction Fr... — WWAttractions From...

Country Id

Attraction Name From

Attraction Name To

Attraction Name	Country Name	Attraction Photo	Trips		
Christ the Redemmer	Brazil		1	UPDATE	NEW TRIP
Cinque Terre	Italy		1	UPDATE	NEW TRIP
Eiffel Tower	France		5	UPDATE	NEW TRIP
Forbidden city	China		1	UPDATE	NEW TRIP
Glenfinnan Viaduct	Scotland		1	UPDATE	NEW TRIP
London Bridges	United States		1	UPDATE	NEW TRIP

Web panels with one grid. This is an example in which the grid has attributes and the fixed part of the web panel has only variables, used mostly to filter the data, as we see here at runtime.


With one Grid

Country Name

Attraction Name From

Attraction Name To

GRID

Attraction Id	Attraction Name	Attraction Photo	Trips		
AttractionId	AttractionName		&trips	&update2	&newTrip

Total Trips

View Country Info Simple

trialapps3.genexus.com/1d69ba27105be8069c295a9a8d93e5557a/viewcountryinfosimple.aspx?Countr...




Travel Agency

Recents WWAttractions From... — View Attraction Fr... — View Country Info ...

COUNTRY NAME **France**

Attraction Name From

Attraction Name To

Attraction...	Attraction...	Trips		
Eiffel Tower		5	UPDATE	NEW TRIP
Louvre Museum		1	UPDATE	NEW TRIP
Matisse Museum		2	UPDATE	NEW TRIP

Total Trips 8

But there is also a mixed case, where we have attributes in the grid and also in the fixed part. In this case, we are looking at the name of the country whose identifier is received in a parameter, with all its tourist attractions. We can also filter by attraction name.

With several Grids


Country Name

Attraction Name From

Attraction Name To

City Name

GRID

Attraction Id	Attraction Name	Attraction Photo	Trips	&trips	&update2	&newTrip
AttractionId	AttractionName					

Total Trips

Total Attractions

View Country Info

Travel Agency




Recents View Attraction Fr... View Country Info

COUNTRY NAME **France**

Attraction Name From

Attraction Name To

City Name

Attraction Name	Attraction Photo	Trips	UPDATE	NEW TRIP
Eiffel Tower		5	UPDATE	NEW TRIP
Louvre Museum		1	UPDATE	NEW TRIP
Matisse Museum		2	UPDATE	NEW TRIP

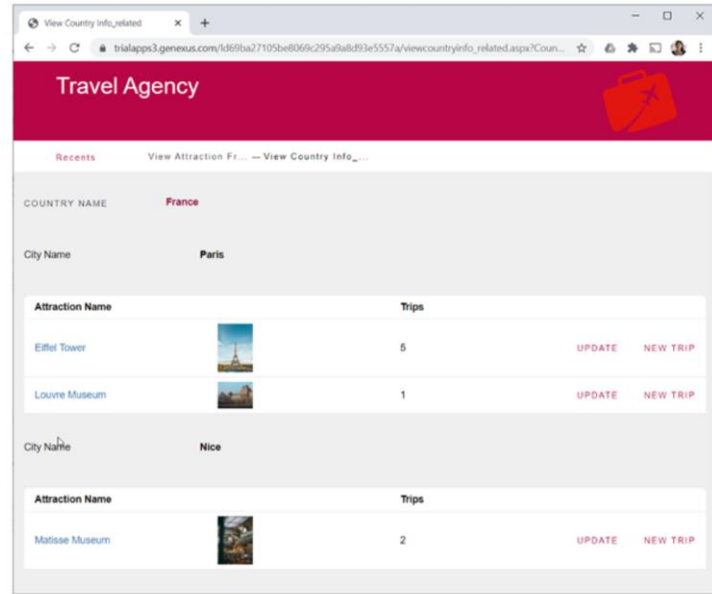
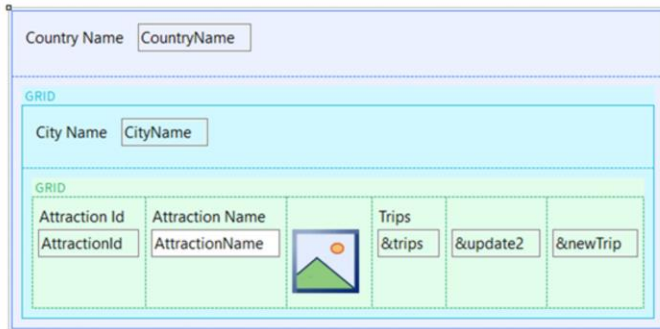
Total Trips 8

City Name	Attractions
Paris	2
Nice	1
Total Attractions	3

Web panels with several grids.

Here is an example where we add a grid to the previous case to show the country's cities, not only its tourist attractions. But we do it in a parallel grid, so the information from each grid will not be related to one another, as we can clearly see at runtime.

With several Grids



And as another case of web panels with multiple grids, here is also the information of a country with its cities and tourist attractions, but this time displayed as nested grids. Therefore, the information will be related –as we see at runtime– and for each city in the country, its own tourist attractions are shown.

Base table?

We will take each of these cases as a basis to study how it is determined whether or not there will be a base table and if so, the required navigation to retrieve the data.

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