

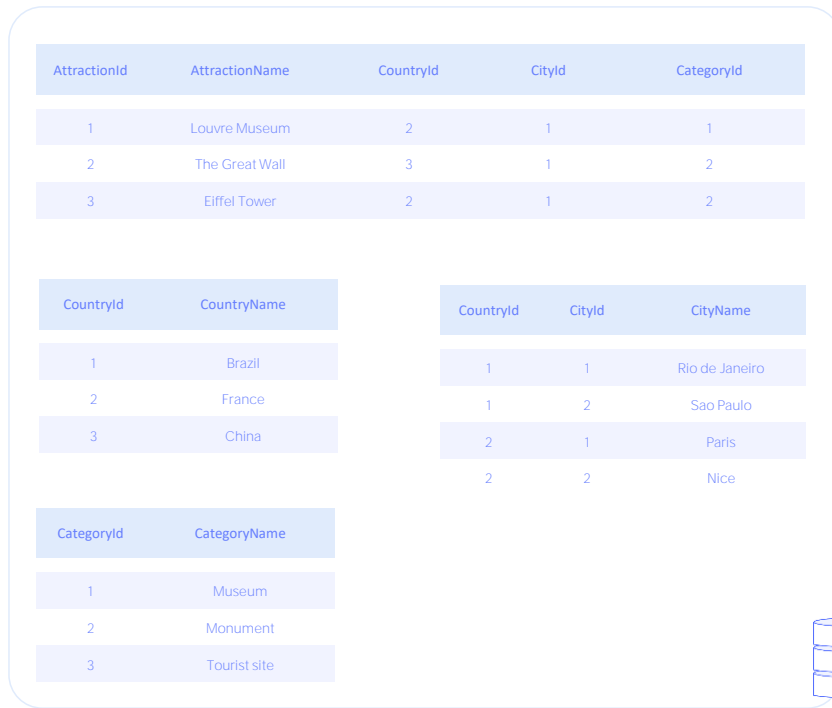
# Web Screens

Base Tables and Web Panel Navigation. Introduction

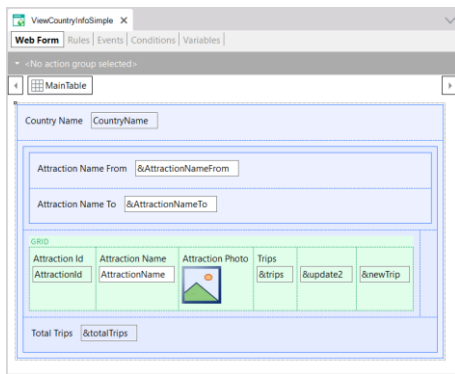
**GeneXus**<sup>™</sup>

Web Panels

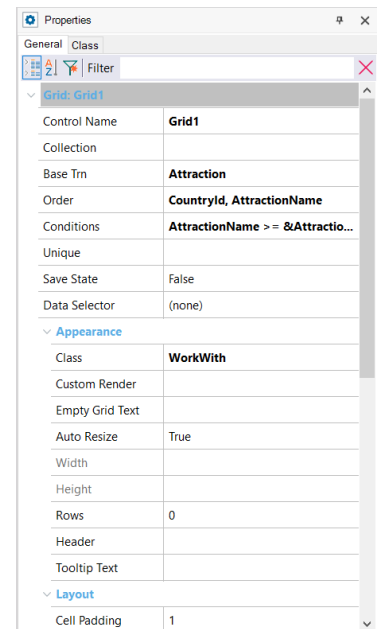
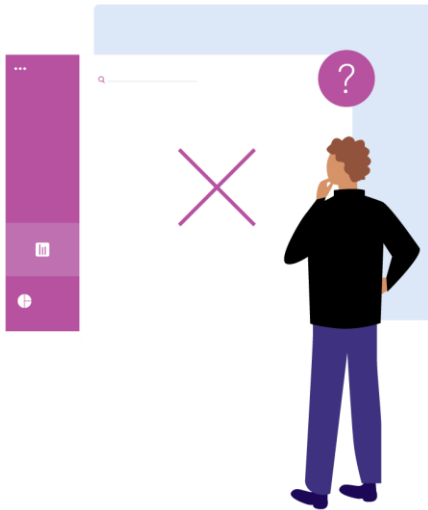
Tables?



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 top section with a label 'Name' and a text input field 'AttractionName'. Below this is a larger section containing several input fields: 'Country Id' with 'CountryId', 'Country Name' with 'CountryName', 'City Name' with 'CityName', 'Category Name' with 'CategoryName', and 'Trips' with '&trips'. To the right of these fields is a vertical sidebar containing a small image of a mountain and a sun.

One Grid

A web panel layout with one grid. It has a top section with 'Country Name' and 'CountryName'. Below is a section with 'Attraction Name From' and '&AttractionNameFrom', and 'Attraction Name To' and '&AttractionNameTo'. A central grid contains columns for 'Attraction Id' (AttractionId), 'Attraction Name' (AttractionName), 'Attraction Photo' (with a small image icon), 'Trips' (&trips), '&update2', and '&newTrip'. A bottom section shows 'Total Trips' and '&totalTrips'.


Several Grids

A web panel layout with several grids. The top section includes 'Country Name' and 'CountryName', and 'Attraction Name From' and '&AttractionNameFrom'. Below this is a grid with columns for 'Attraction Id' (AttractionId), 'Attraction Name' (AttractionName), 'Attraction Photo' (with a small image icon), 'Trips' (&trips), '&update2', and '&newTrip'. To the right is another section with 'City Name' and '&cityName', and a grid with columns for 'City Id' (CityId), 'City Name' (CityName), and 'Attractions' (&attractions). A bottom section shows 'Total Attractions' and '&totalAttractions'.

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


# With no Grid

Name	AttractionName
Country Id	CountryId
Country Name	CountryName
City Name	CityName
Category Name	CategoryName
Trips	&trips



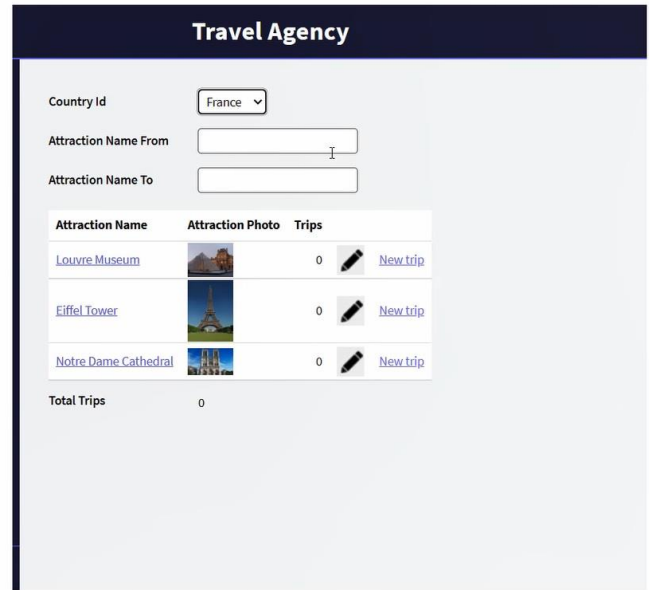
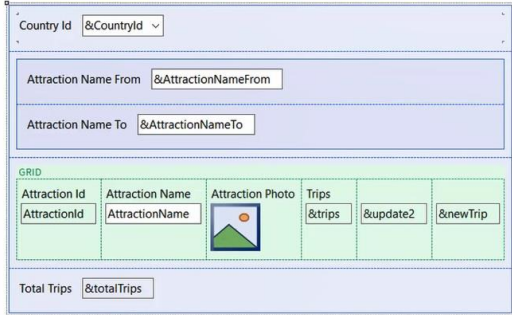
## Travel Agency

Attraction Name	Eiffel Tower
Country Id	2
Country Name	France
City Name	Paris
Category Name	Monument
Trips	2



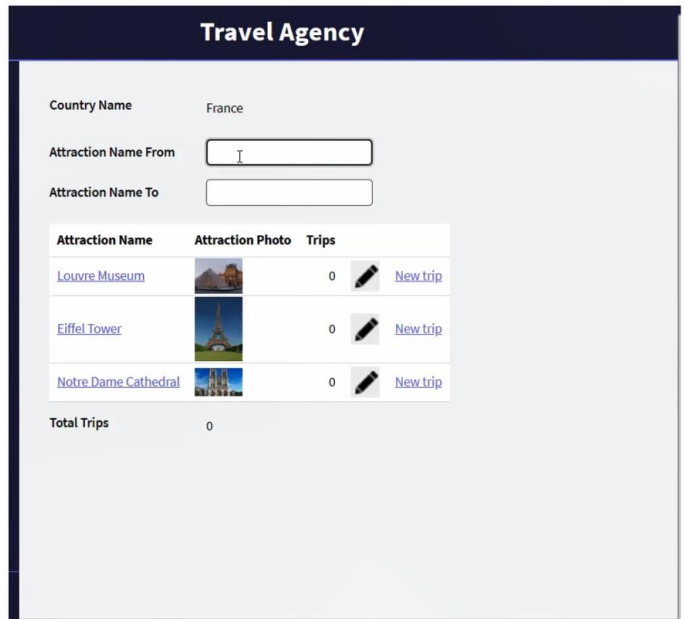
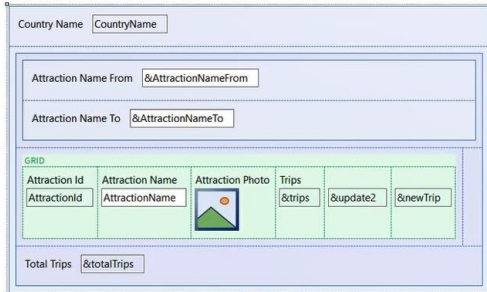
Web panels with no grids. Here is an example where we have attributes in the form and one variable. And here we see it at runtime. This is the data of a tourist attraction, received by parameter (in the context of the application for a travel agency with which we have been working on most of the videos).

# With one Grid



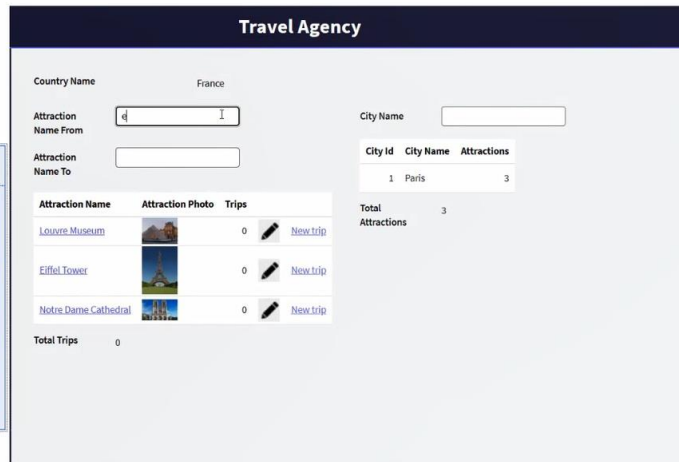
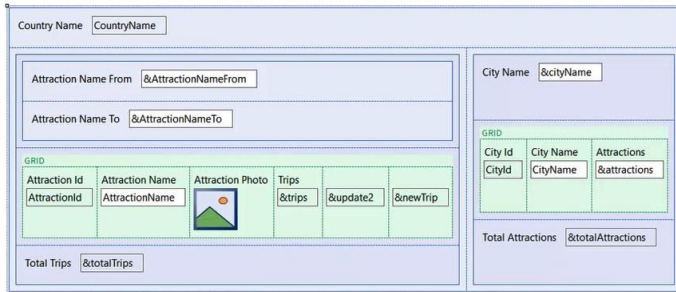
Web panels with one grid. This is an example in which the grid has attributes and the fixed part of the web panel has only variables, used mostly to filter the data, as we see here at runtime.

# With one Grid



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

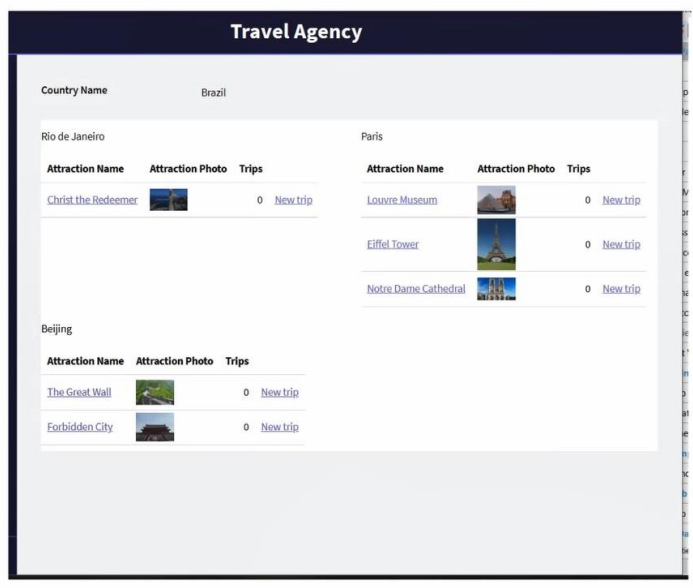
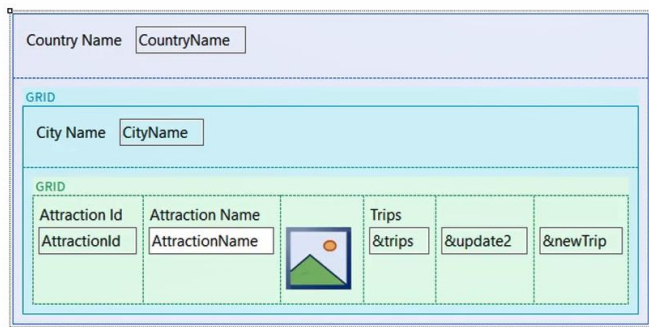


Web panels with several grids.

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.

*GeneXus*<sup>™</sup>

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