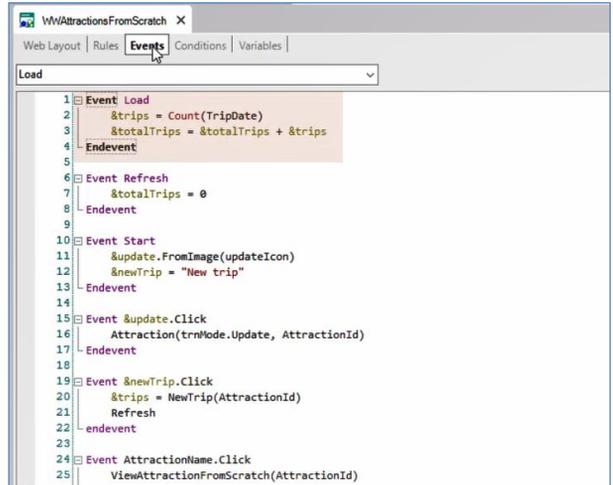
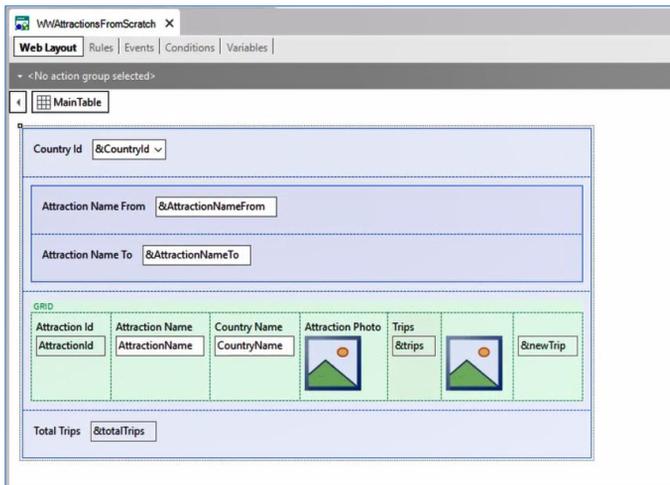


Interactive Screens

Variables in Grid and Actions in the Work With Pattern

GeneXus™

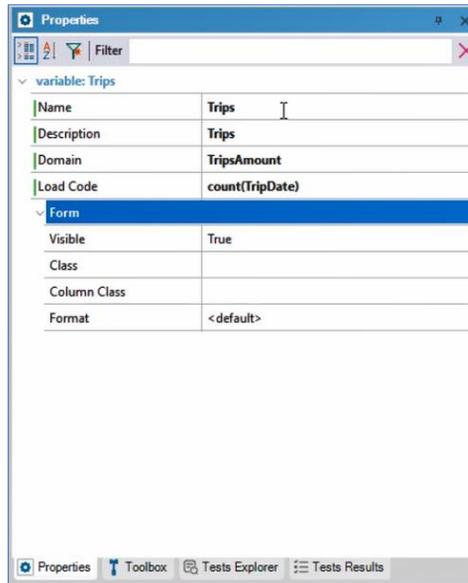
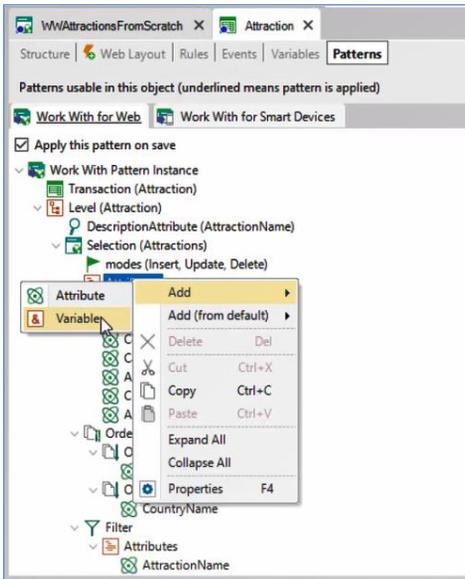
WWAttractionsFromScratch



We already saw in previous videos how in our Travel Agency application we could add a variable `&Trips` to our grid, and how to load it for each line from the Load event.

If instead of implementing this on a manually created web panel as we did, we wanted to use the Work With for Web pattern, how would we do that?

Work With for Web Pattern



To add the variable, we right-click on the Attributes /Add/Variable node. We define it through the properties window where we will be asked to name the variable and its domain. Also, we will see that a property named Load Code is displayed. That's where we specify what value the variable will be loaded with for each line of the grid. We will enter the Count formula, passing it the TripDate attribute, just as we did from the WebPanel generated by us, since we are interested in counting the number of trips entered for each of the attractions.

Work With for Web Pattern

WWAttraction

```

81 Event Grid.Load
82   &update.Link = Attraction.Link(TrnMode.Update, AttractionId)
83   &delete.Link = Attraction.Link(TrnMode.Delete, AttractionId)
84   &attractionName.Link = ViewAttraction.Link(AttractionId, "")
85   &countryName.Link = ViewCountry.Link(CountryId, "")
86
87   // Load variable '&Trips'
88   &trips = (count(TripDate))
89 EndEvent
90
91 Event 'DoInsert'
92   Attraction(TrnMode.Insert, nullvalue(AttractionId))
93 EndEvent
94
95 Sub 'PrepareTransaction'
96   &trnContext = new()
97   &trnContext.CallerObject = &Pgname
98   &trnContext.CallerOnDelete = True
99   &trnContext.CallerURL = &HttpRequest.ScriptName + "!"? + &HttpRequest.QueryString
100   &trnContext.TransactionName = !"Attraction"
101
102   &Session.Set(!"TrnContext", &TrnContext.ToXml())
103 EndSub
104
105

```

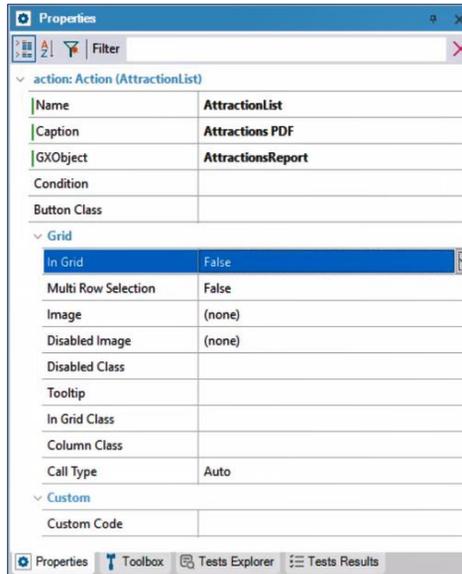
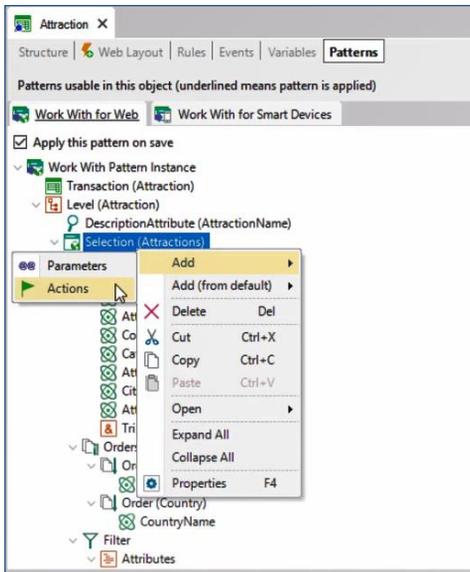
In action

Attractions								+ INSERT
ID	Name	Country Name	Category Name	Photo	City Name	Description	Trips	
4	Christ the Redeemer	Brazil	Monument		Rio de Janeiro	An Art Deco statue of Jesus Christ in Rio de Janeiro	2	UPDATE DELETE
12	Cinque Terre	Italy	Tourist site		Maranota	A string of centuries-old seaside villages on the rugged Italian Riviera coastline	0	UPDATE DELETE
3	Eiffel Tower	France	Monument		Paris	Wrought-iron lattice tower on the Champ de Mars in Paris.	2	UPDATE DELETE
7	Forbidden city	China	Tourist site		Beijing	The former Chinese imperial palace and state residence of the Emperor of China from the Ming dynasty	4	UPDATE DELETE
8	Glenfinnan Viaduct	Scotland	Tourist site		Glenfinnan	A railway viaduct on the West Highland Line in Glenfinnan. Located at the top of Loch Shiel in the West Highlands of Scotland, the viaduct overlooks the Glenfinnan Monument and the waters of Loch	2	UPDATE DELETE

If we save what we have done in the “instance file” of the pattern and open the web object WWAttraction panel created automatically, we will see that in the Load event of the grid, the pattern placed the code that we indicated to load the variable.

Let's see how it works.

Work With for Web Pattern



Now, we want to add a text/link/button outside the grid, which allows us to invoke the AttractionsReport procedure that we had created to print all the attractions as a PDF.

We add an action at the level of the Selection node that implements the Work With itself.

And by means of the properties we indicate the Caption that it will have, as well as if we want it to be an image instead of a text, if we want it to be outside the grid, or, on the contrary, a button inside the grid, for each line. And most importantly: what object to invoke as a consequence of choosing the action.

In Action

Attractions + INSERT ATTRACTIONS PDF

Id	Name	Country Name	Category Name	Photo	City Name	Description	Trips	
4	Christ the Redeemer	Brazil	Monument		Rio de Janeiro	An Art Deco statue of Jesus Christ in Rio de Janeiro	2	UPDATE DELETE
12	Cinque Terre	Italy	Tourist site		Marandola	A string of centuries-old seaside villages on the rugged Italian Riviera coastline	6	UPDATE DELETE
3	Eiffel Tower	France	Monument		Paris	Wrought iron lattice tower on the Champ de Mars in Paris.	2	UPDATE DELETE
7	Forbidden city	China	Tourist site		Beijing	The former Chinese imperial palace and state residence of the Emperor of China from the Ming dynasty	4	UPDATE DELETE
8	Glenfinnan Viaduct	Scotland	Tourist site		Glenfinnan	A railway viaduct on the West Highland Line in Glenfinnan. Located at the top of Loch Shiel in the West Highlands of Scotland, the viaduct overlooks the Glenfinnan Monument	2	UPDATE DELETE

Attraction List

Id	Name	Country	Photo
4	Christ the Redeemer	Brazil	
1	Louvre Museum	France	
3	Eiffel Tower	France	
6	Musee Museum	France	
2	The Great Wall	China	
7	Forbidden city	China	
9	Meet the Emperor	China	
5	Smithsonian Institute	United States	

We see it running.

Action bar in WWAttraction

The screenshot displays the GeneXus IDE interface for a web panel named 'MainTable'. The 'Attractions PDF' action is highlighted in the 'Actions' bar. The main content area shows a table with the following columns: Id, Name, Country Name, Category Name, Photo, City Name, Description, Trips, &Update, and &Delete. The table is currently empty, and an error message '<ErrorViewer: ErrorViewer>' is visible above it. The 'Ordered By' section on the left shows 'Name' and 'Country' as options, and the 'Country Name' section shows '&CountryName' as a filter option.

Id	Name	Country Name	Category Name	Photo	City Name	Description	Trips	&Update	&Delete
AttractionId	AttractionName	CountryName	CategoryName		CityName	AttractionDescription	&Trips	&Update	&Delete

By opening the web panel generated by the pattern, we can see how the action has been included in the Action Bar.

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