

Using patterns: Initialize Fiori for Web

When developing an application integrated with SAP ERP, we have seen that certain considerations must be taken into account.

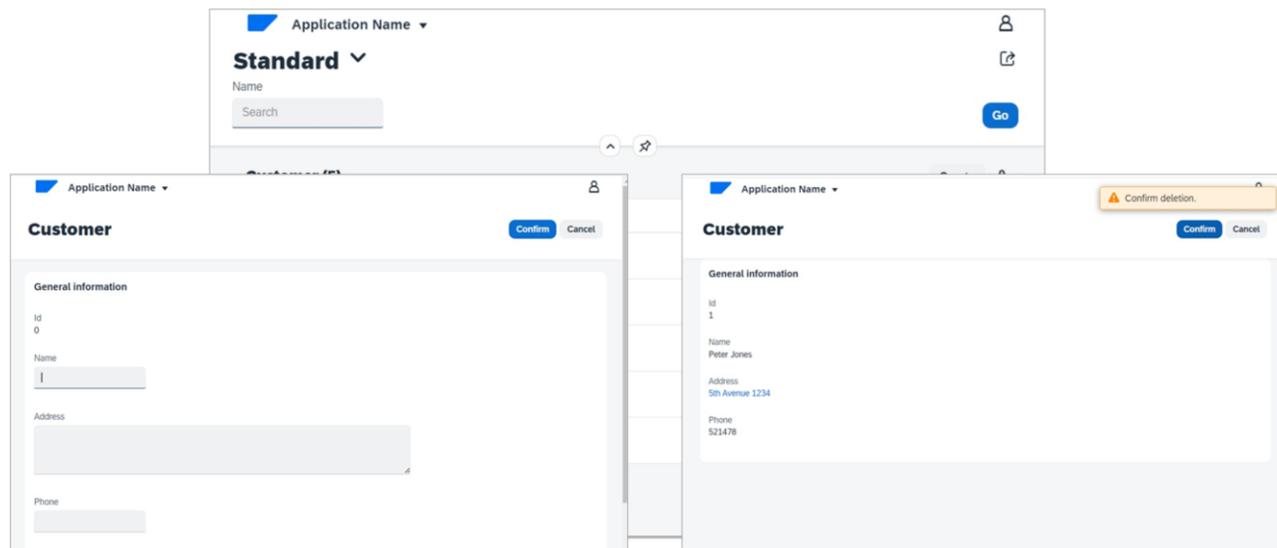
First, we will focus on keeping the aesthetics and user experience so that our application is consistent with SAP ERP.
For this purpose, GeneXus has a specific pattern and design system for Fiori.

By applying a pattern, GeneXus creates for us all the necessary objects to provide the desired performance, so we don't have to program them.

Patterns

The image shows a screenshot of a web application interface. At the top, there is a dark blue header with the text "Application Name". Below this, the main content area is titled "Customer". At the top of the form, there is a navigation bar with the text "|< < > >|" and a "SELECT" button. The form contains three input fields: "id" with the value "0", "Name", and "Address". At the bottom of the form, there are three buttons: "DELETE", "CANCEL", and "CONFIRM".

For example, let's suppose that even though we have the Customer transaction: ...to make additions, modifications and deletions...

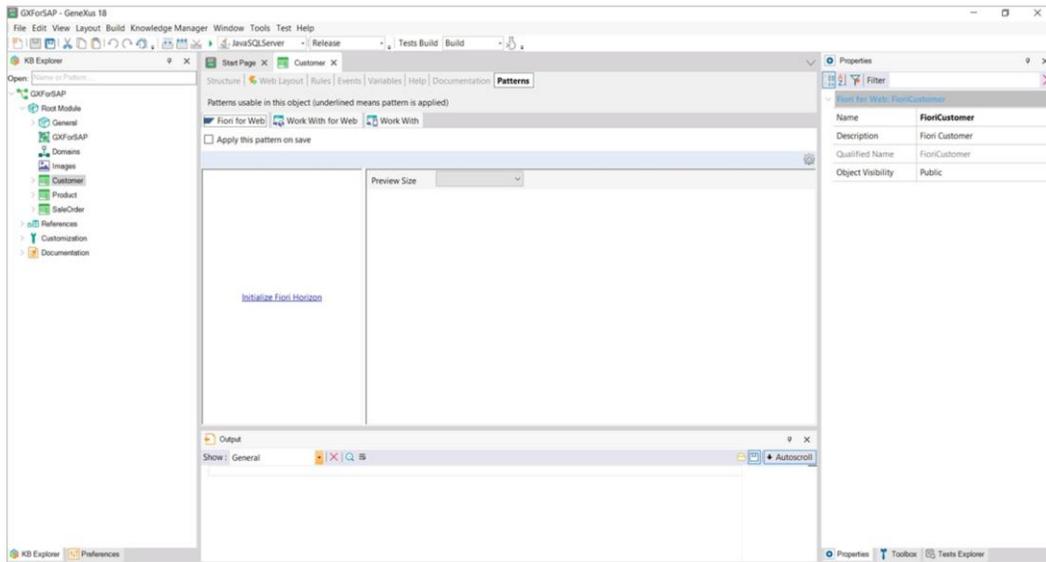


... we would also like to have an attractive page for customer queries that shows all the existing customers, following the Fiori design style.

...that allows filtering by customer name. That also offers a screen to enter a new customer... to modify an existing one... or to delete it.

To achieve this very quickly, we have the "Fiori for Web" pattern and first we are going to see how to apply it to the Customer transaction.

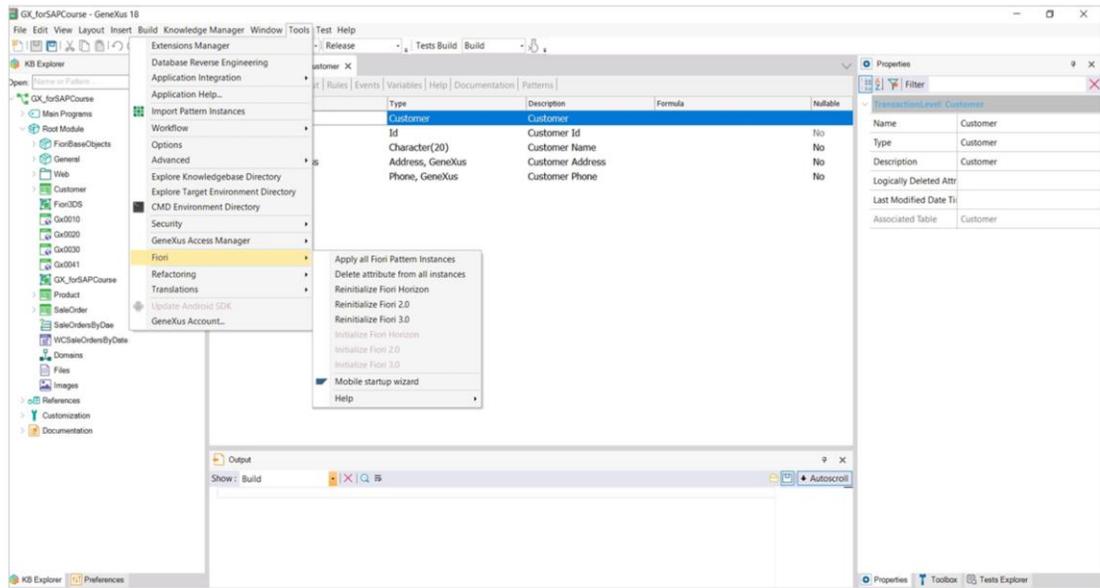
Fiori for Web



In GeneXus, in the Patterns tab of the Customer transaction, we choose Fiori for web.

The first time we use the Fiori for Web Pattern in a Knowledge Base, this option will appear to initialize the pattern with the Horizon Design System, which will import everything necessary to work with this pattern.

Fiori for Web

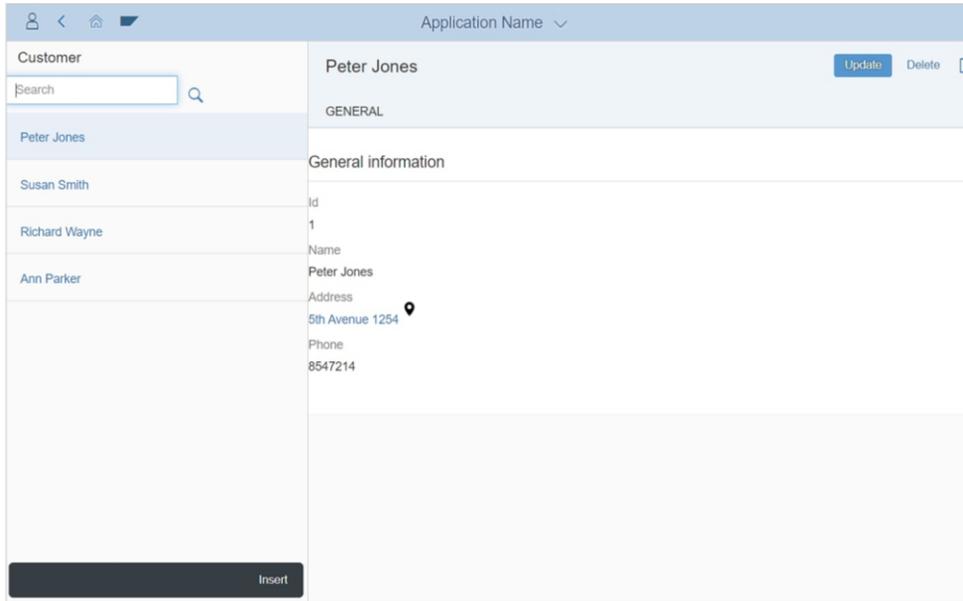


Before clicking on it, let's see the following.

If we go to the Tools / Fiori menu, we see that GeneXus has three different versions of the Fiori Design System: 2.0, 3.0, and Horizon. Why?

Because this guarantees that the applications generated with GeneXus are "future-proof", which means that regardless of time and new versions, you will always have the latest Design System released by SAP.

Fiori 2.0



Therefore, the SAP ERP version used in our development will depend on the SAP ERP version used by our customer.

Fiori 3.0

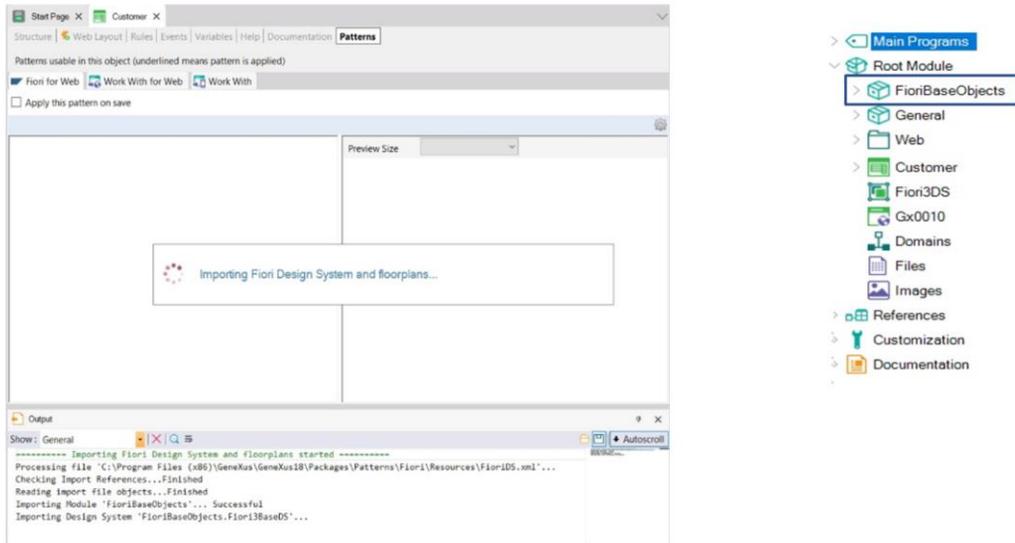
The screenshot displays a Fiori 3.0 application interface. At the top, there is a dark blue header with the text "Application Name" and a search icon. Below the header, the application is divided into two main sections. The left section, titled "CUSTOMER", contains a search bar with the placeholder text "Search" and a magnifying glass icon. Below the search bar, there is a list of customer addresses, each with a location pin icon: "5th Avenue 1254", "1st ST 8547", "2nd ST 66985", and "5th Avenue 55541". At the bottom of this list is a "Create" button. The right section, titled "Peter Jones", features a blue "Update" button, a "Delete" button, and a share icon. Below this, there is a "General" tab. The "General information" section displays the following details: "Id: 1", "Name: Peter Jones", "Address: 5th Avenue 1254" (with a location pin icon), and "Phone: 8547214".

Fiori Horizon

The screenshot displays the Fiori Horizon user interface for a customer management application. At the top left, there is a navigation bar with the text "Application Name" and a dropdown arrow. On the right side of the navigation bar, there is a user profile icon. Below the navigation bar, the main content area is divided into two sections. The left section, titled "Customer", contains a search bar with the placeholder text "Search" and a magnifying glass icon. Below the search bar is a list of customer names: "Peter Jones", "Susan Smith", "Richard Wayne", and "Ann Parker". At the bottom of this list is a "Create" button. The right section, titled "Peter Jones", shows the details for the selected customer. It includes a header with the name "Peter Jones" and three action buttons: "Update", "Delete", and a share icon. Below the header is a tab labeled "General". The main content area of the "General" tab is titled "General information" and contains the following fields: "Id" with the value "1", "Name" with the value "Peter Jones", "Address" with the value "5th Avenue 1254" and a location pin icon, and "Phone" with the value "8547214".

For the purposes of this course, we will use the latest version released to date, called Fiori Horizon.

Fiori for Web



OK. Once we click on the link, GeneXus will start importing everything necessary to define the general design and behavior aspects of the different types of controls used in the screens, and the floorplans.

Floorplans are predefined layouts for the most common use cases. They are used to form a simple and responsive User Interface, based on SAP Fiori design guidelines.

Once the import process is finished, we can see in the KB Explorer window that a FioriBaseObjects module has been added with almost everything imported.

We also see that this option appears to select the floorplan that we want to use for this pattern in this transaction:

Next, we will apply the Fiori for Web pattern to the transactions of our model and make different customizations.

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