Promoted Events

Types of Event Handlers

OpenInsight's powerful Form Designer provides developers with access to the multitude of events that occur during a users interaction with a data entry form. For example, you can add special processing when a user moves to a particular control (GOTFOCUS event) or if the user right clicks on a control.

There are three basic types of event handlers:

1. **User Code** - BASIC+ code you create.
2. **System Events** – Standard system procedures like READ and SAVE
3. **QuickEvents** - An event handler defined non-procedurally by the application developer using the QuickEvent Builder tool in the Form Designer.

For example, you may wish to display some help text in a status line on your form as the user moves between controls. To do this you would typically add some Basic+ code on the GOTFOCUS event for each control on your form.

In a window, which may have over 100 controls, this requires a call for each control. An alternate way to accomplish the same functionality would be to create a **promoted event**. You can think of a Promoted Event as a "Global Event", an event that will trigger for **all** controls on a single form, for **all** controls of a particular type (such as an Edit Table), or for **all** forms in your application. By using a promoted event, you do not need to add code to each control individually, which makes development much faster. It's even possible to create **one** event handler for **all** events in an application.

In this example, we will create a promoted event that will trigger for every GOTFOCUS event for every control in our application.