Smart Screen Designer

Overview

Application screens are the heart of designing an application. Unlike the more traditional methods of developing an application where screen components; i.e. CSS, HTML created in one tool, database tables and columns are created in another tool, and logic in another tool, RapidBIZ contains all of these functions that come together in the smart screen designer. In the traditional methods, they don't come together until the compilation step.

Why it's a Smart designer

The integration of all these functions in RapidBIZ enables automated and semi-automations:

- When elements are dragged on a screen (text fields, checkboxes, etc) they can be "linked" to columns of a data table. These elements are then bond to the column in a data table, so when a SAVE button is dragged on the screen, it automatically "knows" when it is clicked to insert a record into the linked table. It even knows when to update a record instead of inserting a new record.

Sometimes you need more control than an automated function provides. RapidBIZ provides you total control in several different ways:

- Create a js function where you can preform some action(s) then call the exact same function that the button calls to insert the record.
- Or use the standard save button and in js use the provided call back to perform actions after the insert (or update) has taken place.
- Or use a data service to insert and update records of data entered into elements on the screen. This is particularly useful when there are multiple elements on a screen and they need to be inserted into different tables.
- RapidBIZ supports both the bootstrap and skeleton frameworks; and provides an easy to use 12 column responsive grid to drag and drop elements. No additional code to write – just drag the elements on the grid.
- Java script wizards are built in that generate the js necessary to create data views and data service functions. All you have to do is select the parameters and the wizard(s) will do the rest.

Other tools available

While RapidBIZ provides many low or no code types of features, it also has all the tools necessary if you want to roll "your own":

- Full Function Java script editor for both the screen or across an entire app (multiple screens). We've even enhanced the editor to include functions that are provided in RapidBIZ – it will tell if you've misspelled a function name for instance.
- CSS Editor for both the screen and across an entire app (multiple screens).
- HTLM Editor – which is (and should be) rarely used, since RapidBIZ automatically generates the HTML for the screen.

- Extensive Help for provide RapidBIZ functions, including type ahead in the JS editor.
- See what the screen will look like to the User through the preview screen function.
- Changes made to a screen by the developer are immediately available to users when the screen is saved. This is an excellent way to quickly test changes you've before promoting to a product instance.
- Application logging – every time the save button is clicked it stores the previous version of a screen. You can tell who made the last changes and what the changes were, but comparing the previous screen (JS or HTML) with the current. Extensive tracking of changes at the screen level.