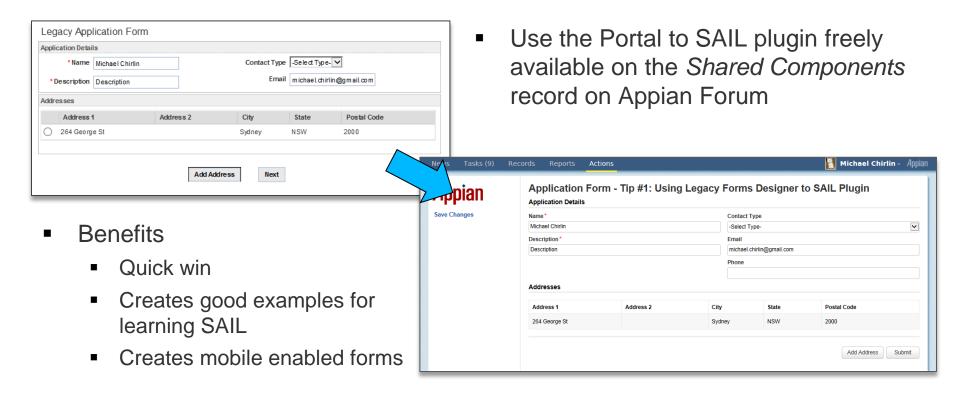


Transitioning to Tempo: Demonstration with Tips and Tricks

Michael Chirlin 21/08/2014



Tip #1: Using Legacy Forms Designer to SAIL Form Plugin

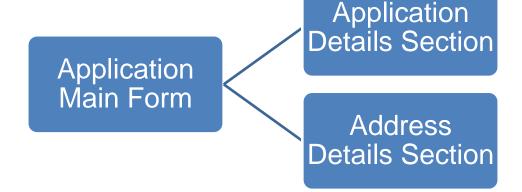


Tip #1: Using Legacy Forms Designer to SAIL Form Plugin

Converts	Does not Convert
All tempo enable fields	All non tempo enabled fields except editable grid, eg. tabbed section or message field
Default value and Save Into value for fields	Javascript (click/load/change events and validations)
Conditional show/hide expressions	CSS
Sections with one or two columns	Two column form format

Tip #2: Modularize your SAIL rules

- Define a SAIL rule for each form section
 - Use descriptive names, like ABC_customerContactInfoSection
- Use a single SAIL rule in the record/report creation interface
 - This rule combines all the section rules
- Benefits
 - Easier to understand
 - Allows for parallel development
 - Isolate defects
 - Simplifies refactoring
 - Creates reusable sections





Tip #2: Modularize your SAIL rules

```
label: "Application Form - Tip #1: Using Legacy Forms Designer to SAIL #
firstColumnContents: {
 a!sectionLavout(
                                                         a!formLayout(
  label: "Application Details",
                                                                                                                                                                           a!sectionLavout(
  firstColumnContents: {
                                                           label: "Application Form - Tip #2: Modularize your SAIL rules",
                                                                                                                                                                             label: "Application Details".
    a!textField(
     label: "Name",
                                                            firstColumnContents: {
                                                                                                                                                                             firstColumnContents: {
     required: true,
     value: ri!application.name,
                                                              rule!UG applicationApplicationDetailsSectionTip2(application: ri!application),
                                                                                                                                                                                a!textField(
     saveInto: {ri!application.name}.
     readOnly: false
                                                              rule!UG applicationAddressDetailsSectionTip2(application: ri!application),
                                                                                                                                                                                  label: "Name",
                                                                                                                                                                                  required: true,
    a!textField(
     label: "Description".
                                                                                                                                                                                  value: ri!application.name.
                                                            buttons: {
     required: true,
     value: ri!application.description,
                                                              a!buttonLayout(
                                                                                                                                                                                  saveInto: {ri!application.name},
     saveInto: {
      ri!application.description
                                                                 primaryButtons:
                                                                                                                                                                                  readOnly: false
     readOnly: false
                                                                   a!buttonWidget(
                                                                     label: "Add Address",
                                                                                                                                                                                a!textField(
  secondColumnContents: {
                                                                     required: false,
                                                                                                                                                                                  label: "Description".
   aldropdownField(
     label: "Contact Type".
                                                                     value: "add",
                                                                                                                                                                                  required: true.
     required: false,
     value: "null".
                                                                     saveInto: {ri!decision},
                                                                                                                                                                                  value: ri!application.description.
     choiceLabels: {
       "-Select Type-",
                                                                     style: "NORMAL",
                                                                                                                                                                                  saveInto: {
       "Email".
                                                                     validate: false,
       "Phone"
                                                                                                                                                                                     ri!application.description
                                                                     submit: true
     choiceValues: {
                                                                                                                                                                                  readOnly: false
       "email",
       "phone"
                                                                   a!buttonWidget(
                                                                     label: "Submit",
    altextField(
     label: "Email",
                                                                     required: false,
                                                                                                                                                                             secondColumnContents: {
     required; false
     value: ri!application.contactEmail,
                                                                     value: "submit".
                                                                                                                                                                                a!dropdownField(
                                                                     saveInto: {ri!decision},
      rilapplication.contactEmail
                                                                                                                                                                                  label: "Contact Type".
     readOnly: false
                                                                     style: "NORMAL",
                                                                                                                                                                                  required: false.
    altextField(
                                                                     validate: true,
                                                                                                                                                                                  value: "null".
     label: "Phone".
     required: false
                                                                      submit: true
                                                                                                                                                                                  choiceLabels: {
     value: rilapplication.contactPhone,
                                                                                                                                                                                     "-Select Type-",
     saveInto:
      ri!application.contactPhone
                                                                                                                                                                                     "Email",
     readOnly: false
                                                                                                                                                                                     "Phone"
                                                                                                                                                                                                                       . . .
    rule!UTIL isBlank(
     ri!application.addresses
```

Tip #3: Reusable SAIL Forms

- Define a single rule that can be used for both data entry and confirmation screens
 - Use readOnly value to hide action links or buttons
 - Use rule inputs to set readOnly or required parameters





- Benefits
 - Rules can be reused on dashboards and approval tasks
 - Utility form can be used throughout system (eg. multiple doc upload form)
 - Simplifies refactoring (changes will be uniform across system)

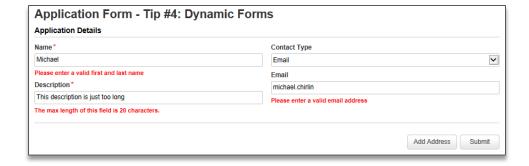


Tip #4: Creating Dynamic Forms

- Functionality earlier using javascript, off-form validation, or sequential user tasks can be built into a single form
 - Validation for text fields (eg. email address validation, length validation)
 - Section or form level validation for errors independent of specific input fields
 - Create new sections on the fly for unlimited data entry

Benefits

- More work can be done on a single form
- No javascript necessary
- Declutters process models
- Unlimited possibilities





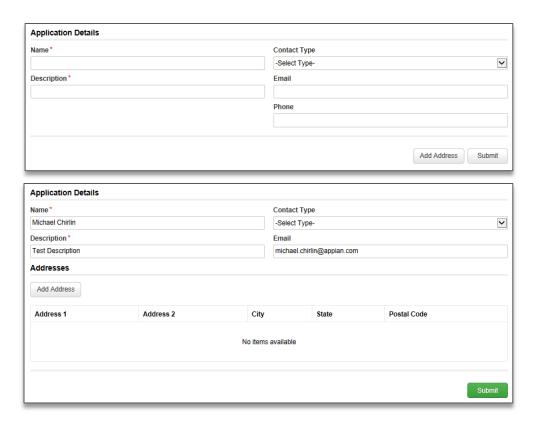
Tip #5: Using Style Guide

Guide covers

- When to use buttons vs links
- When to use button stylings, primary vs destructive
- Which label position to use when, and why
- Can be found on forum under documentation

Benefits

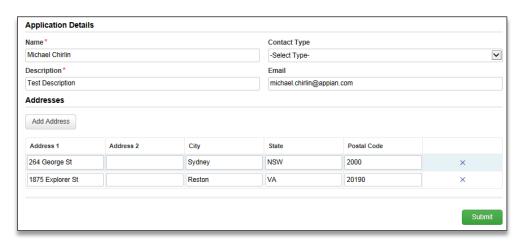
- Consistent look and feel across applications
- Consistent and intuitive user interface





Tip #6: Creating Editable Grids

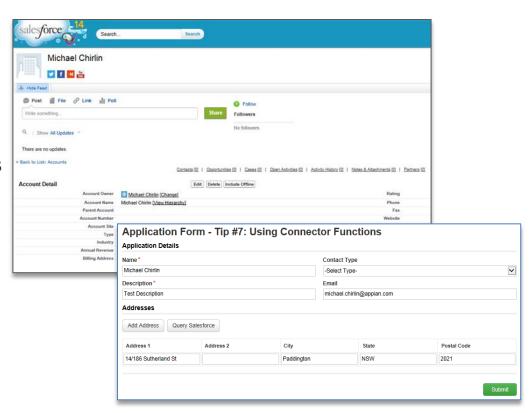
- Creating a dynamic editable grid
 - Combine the use of a!applyComponents with a custom rule created to display a single row
 - When using dynamic links to update rows from within the table remember to use and update arrayVariable parameter for applyComponents
- Benefits
 - Reduces user clicks
 - Less forms to design/manage
 - Simplifies process models
 - Reduces need for off form validation





Tip #7: Using Connector Functions

- Connector functions facilitate
 - Querying data from external systems
 - Writing to external systems
 - Deleting from external systems
- Benefits
 - Incredibly quick implementation
 - Exposes external systems data to Appian



Tip #7: Using Connector Functions









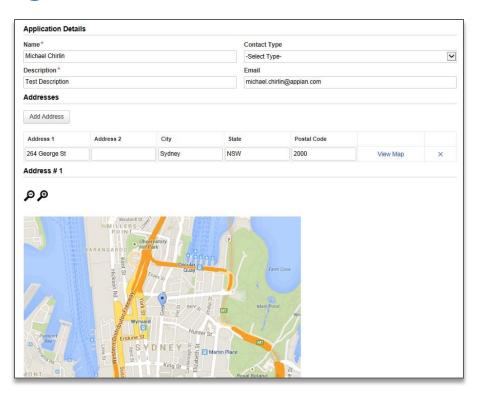




Tip #8: Using Linkable Images

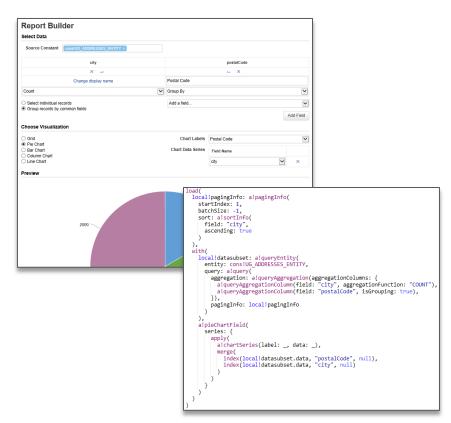
- Can be used to
 - Create links to external sites, eg. linking to google maps
 - Create linkable logos
 - Combine with new a!iconIndicators to create dynamic grids

Applications		
Name	Description	Status
Application 1	Description 1	•
Application 2	Description 2	0
Application 3	Description 3	•



Tip #9: Using Report Builder

- Can be used to
 - Create reports based on data store entities or records
 - Create pie chart, line chart, column chart, and grid reports
 - Configure default sort fields
- Benefits
 - Quick and easy
 - Simplifies coding
 - Teaches good coding practice for further report creation



Tip #10: Tempo UI Utilities and Portal to SAIL Plugin

- Contains helper functions for
 - Default Record Views
 - Tempo Report Helpers
 - Process Optimization Template
 - Other Tempo-Enabled UI Components
- Benefits
 - Reuse of portal artifacts.
 - Translate design concepts that were commonly used on legacy portal dashboards.
 - Enable rapid development of default dashboards and reports.

