

```

1
2
3
4 //
5 =====
6 =====
7 //
8 =====
9 =====
10 // Each Form has this onclick function call for updating the table(s) in a form
11
12 function commitTableRecs(formID, tablename, action)
13 {
14
15     var table_info = {} ; // Given an table name it supplies the PK field name
16
17     //
18     =====
19     =====
20     // Go pay a visit to PHP to get the name of the ID Field on the form currently loaded
21     // DO AJAX with Success callback to handle the variables
22
23     var php_params = "job=GetTableIDs" ;
24
25     $('#debug').html(php_params) ;
26
27     $.ajax({
28         url: '/cmdb/PHP/do_FormCommit_work.php',
29         method: "GET" ,
30         cache: false ,
31         data: php_params ,
32         dataType: 'JSON'
33     }).done(function(data)
34     {
35         console.log('AJAXed to do_FormCommit_work.php for '+action+'TableRecs() on
36             '+tablename+' to get table_info[], data.status='+data.status) ;
37
38         table_info = (typeof data === 'string') ? JSON.parse(data) : data ; // e.g.:
39             table_info['ModemConfig'] => modem_config_id
40
41
42         extract_fields_for_commit(table_info, formID, tablename, action) ;
43
44     } ) ;
45
46 }
47
48
49 function extract_fields_for_commit(table_info, formID, tablename, action)
50 {

```

```
51
52 // We're going to be passing a lot of info (objects & arrays) around in this jArray
53 array
54
55 var jArray = [] ;
56 var job = {} ;
57 var object_list = [ '[0][job], [0][object_list]==this, [0][nFields]',
58                     '[1][{formSpecs}]: USAGE: [1][formID], [1][parent_table]',
59                     '[2][{table_ids}]: USAGE: [2][ModemConfig]=>modem_config_id, ...',
60                     '[3]...[nFields][{fieldSpecs}]: USAGE: [3][name], [3][type],
61                     [3][value], [3][orig_value], [3][tablename]',
62                     '[3+nFields]...[?] [{pkValues}]: USAGE: [n][name], [n][value]' ] ;
63 var formSpecs = {} ;
64
65 job['job'] = 'SubmitFor'+action ;
66 job['object_list'] = object_list ;
67 job['nFields'] = 0 ;
68 formSpecs['formID'] = formID ;
69 formSpecs['parent_table'] = tablename ;
70
71
72 // - - - - -
73 - - - - -
74 // Unlike just below where I do similar check/set, there is no such table "GeneralNote".
75
76 var inserting_a_general_note = 0 ;
77 if ( tablename === 'GeneralNote' )
78 {
79     tablename = 'Note' ;
80     inserting_a_general_note = 1 ;
81     formSpecs['parent_table'] = tablename ;
82 }
83
84
85 jArray.push(job) ;
86 jArray.push(formSpecs) ;
87 jArray.push(table_info) ;
88
89 // We don't want to update a Note table row with the row# of the noted table, so we have
90 to do
91 // some special handling in this case.
92 // Two fixes are necessary, keeping in mind that as of now the Note form appears above
93 the working
94 // form except for ModemConfig. Being above or below makes a difference as to when we
95 will, (in
96 // the normal flow of this code), know what table to assign to each field.
97 // Along with adding 'data-tablename="parent tablename"' to the Note table's fields,
98 (which will
99 // set the correct table for Note's fields, a couple other tricks are needed.
100
```

```
101  var updating_a_note = 0 ;
102  var inserting_a_reminder = 0 ;
103
104  if ( tablename === 'Note' )
105  {
106      tablename = $('#note_src_table').val() ; // Non-note fields will now have correct
107          ownership.
108
109      // However, in the case of SwapModems, we have to not keep the here-confusing
110      '(On/Off)' designation
111      // which is set in callbackNote() in FormSearchScripts.js, just after the tablename
112      if ( tablename.indexOf(' ') !== -1 )
113      { tablename = tablename.substring(0, tablename.indexOf(' ')) ; }
114
115      updating_a_note=1 ;
116  }
117  // - - - - -
118  - - - - -
119  if ( tablename === 'Reminder' )
120  {
121      tablename = $('#reminder_ref_table').val() ; // Non-reminder fields will now have
122          correct ownership.
123      inserting_a_reminder = 1 ;
124  }
125
126  //
127  -----
128  -----
129  // Get all of the active form's values
130
131  $('form input, form select, form textarea, form checkbox')
132  .each(
133      function(index)
134      {
135          var input = $(this);
136          var type = input.prop('type') ;
137          var name = input.attr('name') ;
138
139          switch (type.substr(0,6))
140          {
141              case 'select':
142              case 'text':
143              case 'number':
144              case 'date':
145              case 'checkb':
146              case 'textar':
147              case 'email':
148              case 'hidden':
149
150              if ( type.substr(0,6) !== 'hidden' || ( type.substr(0,6) === 'hidden' && (name ===
```

```
151         'table_row' ||
152                                     name ===
153                                     '
154                                     note_t
155                                     able_r
156                                     ow') )
157                                     )
158     {
159
160     var value = input.val() ; // Why this and not .text() works for this textarea
161     but not the orig, I don't know
162     if ( type === 'checkbox' )
163     {
164         value = 0 ;
165         var temp = input.prop('checked') ;
166         if ( temp !== false ) { value = 1 ; } // The test seems to return 1 or '',
167         else false
168     }
169     if ( name === 'wireless_no' && value.indexOf('(') !== -1 )
170     {
171         value = value.strip_phone_format() ;
172     }
173     if ( name === 'simm_identifier' || name === 'IMEI' || name === 'IMSI' )
174     {
175         value = value.replace(' ', '') ;
176     }
177
178     if ( type !== 'textarea' )
179     { var orig_value = $('input[name=orig_'+name).val() ; }
180     else
181     { var orig_value = $('#orig_'+name).text() ; }
182     if ( typeof orig_value === 'undefined' ) { orig_value = '' ; }
183
184     // So PHP no burp w/o a value here
185     if ( name === 'table_row' || name === 'note_table_row' )
186     { orig_value = value ; }
187
188     var parent_table = input.data('tablename') ; // <-- c/o form input with
189     data-tablename="somevalue" within its < input ></ input >
190                                     // May be null (undefined) if
191                                     not set in the form
192     if ( typeof parent_table === 'undefined' ) { parent_table = tablename ; }
193
194     // More special circumstances
195     // After the note DIV has slid out of view its form elements are still found
196     HERE, so we
197     // have to handle the do/don't include here. (My jQuery exclusion didn't work.)
198     // When updating a Note we do not want to update its referencing table
199
200     if ( ( !updating_a_note && parent_table !== 'Note' || updating_a_note
```

```
201         && parent_table === 'Note') &&
202         ( !inserting_a_reminder && parent_table !== 'Reminder' ||
203           inserting_a_reminder && parent_table === 'Reminder') )
204     {
205         console.log('Type: ' + type + '      Name: ' + name + '      Value: ' + value + '
206           OrigValue: '+orig_value+'      tablename: '+parent_table );
207
208         var fieldSpecs = {} ;
209         fieldSpecs['name'] = name ;
210         fieldSpecs['type'] = type ;
211         fieldSpecs['value'] = value ;
212         fieldSpecs['orig_value'] = orig_value ;
213         fieldSpecs['tablename'] = parent_table ;
214
215         jArray.push(fieldSpecs) ;
216     }
217 }
218
219 break ;
220 //
221 -----
222 -----
223 default:
224     console.log('SOMETHING ELSE Type: ' + input.attr('type') + '      Name: ' +
225       input.attr('name') + '      Value: ' + input.val());
226
227 } // EO Switch
228
229 } ); // EO Form Inputs .each()
230
231 //
232 -----
233 -----
234 // When inserting a note that is not tied to any table, the field `note_src_table_id` is
235 // meaningless.
236 // What we want to do is use that variable to contain the # of GeneralNote s inserted.
237
238 if ( inserting_a_general_note === 1 )
239 {
240     var php_params = 'job=SearchUsing&formToProcess=GeneralNote&task=GetCount' ;
241     var sql_data ;
242
243     $.ajax({
244       url: '/cmdb/PHP/do_FormCommit_work.php',
245       method: "GET" ,
246       cache: false ,
247       data: php_params ,
248       dataType: 'JSON'
249     }).done(function(data)
250     {
```

```
251     console.log('AJAXed to do_FormCommit_work.php for '+action+'TableRecs() on
252         GeneralNote to get COUNT(*), data.status='+data.status); ;
253
254     sql_data = (typeof data === 'string') ? JSON.parse(data) : data ;
255
256     var fieldSpecs = {} ;
257     var parent_table = 'Note' ;
258
259     fieldSpecs['name'] = 'note_src_table_id' ;
260     fieldSpecs['type'] = 'text' ;
261     fieldSpecs['value'] = Number(sql_data.count_of_general_notes) + 1 ;
262     fieldSpecs['orig_value'] = 0 ;
263     fieldSpecs['tablename'] = 'Note' ;
264
265     alert('name='+fieldSpecs['name']+' type='+fieldSpecs['type']+'
266         value='+fieldSpecs['value']+' orig_value='+fieldSpecs['orig_value']+'
267         tablename='+fieldSpecs['tablename']) ;
268
269     jArray.push(fieldSpecs) ;
270
271     console.log('Type: ' + fieldSpecs['type'] + '      Name: ' + fieldSpecs['name'] + '
272         Value: ' + fieldSpecs['value'] + '      OrigValue: '+fieldSpecs['orig_value']+'
273         tablename: '+parent_table );
274
275     // Needed below. Just don't have the #table_row value here.
276     $(formID+' p').append('<input type="hidden" ID="table_row" name="table_row"
277         value="'+fieldSpecs['value']+'"/>') ;
278
279     }      ) ;
280 }
281
282 //
283 -----
284 -----
285 // Gotta get a little messy here now.
286 // When dropdowns are hidden and in their place are text fields, both are picked up
287 here.
288 // We want the fieldnameTF (text field) version's of the data, so we have to find those
289 array
290 // elements, get their value, set that into the DD field's value, then remove the 'TF'
291 element.
292
293 var fTFname, fTFnamelen, fname, fTFvalue ;
294 var fToRemove = [] ;
295
296 for (var f=3; f<jArray.length; f++)
297 {
298     fTFname = jArray[f]['name'] ;
299     fTFnamelen = fTFname.length ;
300
```

```
301     if ( fTFname.substring(fTFnamelen-2) === 'TF' )
302     {
303         fname = fTFname.substring(0,fTFnamelen-2) ;
304         fTFvalue = jArray[f]['value'] ;           //console.log('fname='+fname+'
305             fTFvalue='+fTFvalue) ;
306
307         for (var fnbr=3; fnbr<jArray.length; fnbr++)
308         {
309             if ( jArray[fnbr]['name'] == fname )
310             {
311                 jArray[fnbr]['value'] = fTFvalue ; //console.log('fnbr='+fnbr+'
312                     jArray[fnbr][name]='+jArray[fnbr]['name']+'
313                     jArray[fnbr][value]='+jArray[fnbr]['value']) ;
314                 $('a:link #rebuild_dropdowns').css('color', '#FF0000') ;
315             }
316         }
317         fToRemove.push(f) ;
318         //console.log('f='+f+'   jArray[f][name]='+jArray[f]['name']) ;
319     }
320 }
321
322 if ( fToRemove.length)
323 {
324     for (var f=fToRemove.length-1; f>=0; f--)
325     {
326         // console.log('f='+f+'   fToRemove[f]='+fToRemove[f]);
327         jArray.splice(fToRemove[f],1) ;
328     }
329 }
330
331
332 //
333 -----
334 -----
335
336 var nFields = jArray.length - 3 ; // 3 Objects stuffed on < these fields
337 jArray[0]['nFields'] = nFields ;
338
339 //
340 =====
341 =====
342 // Now must get from #invisible DIV the current PK values
343
344 $('#invisible .other_table_ids ')
345 .each(
346     function()
347     {
348         var input = $(this);
349         var name = input.attr('name') ;
350         var value = input.val() ;
```

```
351
352     var pkValues = {} ;
353     pkValues['name'] = name ;
354     pkValues['value'] = value ;
355
356     jArray.push(pkValues) ;
357 } ) ;
358
359 // Now get the as-loaded PK values
360
361 $('#invisible .otid_orig ')
362 .each(
363     function()
364     {
365         var input = $(this);
366         var name = input.attr('name') ;
367
368         if ( $('#'+name).val() !== 'undefined' )
369         {
370             var pkValues = {} ;
371             pkValues['name'] = name ;
372             pkValues['value'] = $('#'+name).val() ;
373
374             jArray.push(pkValues) ;
375         }
376     } ) ;
377
378 //
379 -----
380 -----
381 // Let's not forget, though not an 'other' table ID, it is a PK we definitely need to
382 know about for
383 // our purposes here.
384 // Yes, it's already there on the parent form, hidden, but let's also put in the format
385 of other 'other table ids'.
386
387 var pkValues = {} ;
388 pkValues['name'] = table_info[tablename] ;
389 pkValues['value'] = $('#form #table_row').val() ;
390 jArray.push(pkValues) ;
391
392 if ( updating_a_note || tablename === 'ModemConfig')
393 {
394     pkValues['name'] = 'note_id' ;
395     pkValues['value'] = $('#form #note_table_row').val() ;
396     jArray.push(pkValues) ;
397 }
398
399 //
400 =====
```

```
401     =====
402     // Prepare for POSTing
403
404     var jsonString = JSON.stringify(jArray) ;
405
406     //
407     -----
408     -----
409     // On return from this Ajax invocation the DB will be revised w/ updated/new values
410
411     console.log('AJAXing to do_FormCommit_work.php with json array for '+action+'.');
412
413     $.ajax({
414         url: '/cldb/PHP/do_FormCommit_work.php', // do_FormCommit_work bounce_post
415         method: "POST" ,
416         data: {posted:jsonString}
417     }).done(function(data)
418     {
419         console.log('Successfully performed '+action.toUpperCase()+'.') ;
420
421         var results = (typeof data === 'string') ? JSON.parse(data) : data ;
422
423         if ( !updating_a_note && !inserting_a_reminder )
424         {
425             manage_form_fields(tablename, 'backup') ; // This installs the visible fields'
426                 invisible bu counterparts, class="backup"
427         }
428
429         // After a commit manage_form_fields will take care of all normal visible fields in
430             the form,
431         // but what's left are: The one/two hidden #table_row and maybe #note_table_row,
432             AND the two
433         // other classes we have to address now. We have to fix the dropdowns that point to
434             other tables.
435         // The DD changes did upon change, update the .other_table_ids class of values, and
436             those were
437         // used to note any changes from the as-loaded values found in class .otid_orig.
438         // NOW those .otid_orig values have to be set so future DD changes will be noted.
439
440         $(' .otid_orig').each(function()
441         {
442             var otid_name = $(this).attr('name') ;
443             var name = otid_name.substr(10) ;
444
445             var curr_value = $('#'+name).val() ;
446
447             $(this).val(curr_value) ;
448
449         }) ;
450
```

```

451     if ( updating_a_note ) { cancelNote(); }
452     if ( inserting_a_reminder ) { cancelReminder(); }
453
454     alert(results) ;
455
456     }      ) ;
457
458 }
459
460
461
462 //
463 =====
464 =====
465 //
466 =====
467 =====
468 // FormSearchScripts.js calls this function after loading new values using jQuery into
469 form page
470
471 function manage_form_fields(tablename, operation, fields)
472 {
473     // Purpose is to manage values in a form.
474     // Once a form is initially loaded, this function is called.
475     // Use 'backup' operation to make input backups in hidden DIV installing as-loaded
476     values.
477     // Use 'update' with the passed fields array to just backup those fields
478
479     if ( fields === 'undefined' ) { fields = [] ; }
480
481
482     var php_params = "job=GetFormSpecs&formToProcess="+tablename ;
483     // $('#debug').html(php_params) ;
484     console.log('Arrived in manage_form_fields("' + tablename + '", "' + operation + '")');
485
486     operation = operation.toLowerCase() ;
487
488     //
489     =====
490     =====
491     // Go pay a visit to PHP to get the specifications on the form currently loaded
492     // DO AJAX with Success callback to handle the variables
493
494     $.ajax({
495         url: '/cmdb/PHP/do_FormCommit_work.php',
496         method: "GET" ,
497         cache: false ,
498         data: php_params ,
499         dataType: 'JSON'
500     }).done(function(data)

```

```
501     {
502
503     var formSpecs = (typeof data === 'string') ? JSON.parse(data) : data ;
504
505     console.log('AJAXed to do_FormCommit_work.php for
506         manage_form_fields('+tablename+', '+operation+'), data.status='+data.status) ;
507
508     // Back from our visit now, so let's march through that list of fields getting
509     //   their as-loaded values
510
511     // If this is empty, then all name="orig_fieldname" and class="backup" inputs
512     //   will be cleared
513     // and repopulated with current form values, but in the case of the Note table, we
514     //   only want
515     // to clear that sub-form's value, not remove all of the originally as-loaded
516     //   values for the
517     // other form fields.
518
519     var fields_to_clear_and_set = [] ;
520     if ( tablename === 'Note' )
521     {
522         fields_to_clear_and_set.push('note_src_table') ;
523         fields_to_clear_and_set.push('note_src_table_id') ;
524         fields_to_clear_and_set.push('note_date_entered') ;
525         fields_to_clear_and_set.push('note_date_effective') ;
526         fields_to_clear_and_set.push('info_co_id') ;
527         fields_to_clear_and_set.push('note') ;
528     }
529     else if ( tablename === 'Reminder' )
530     {
531         fields_to_clear_and_set.push('reminder_ref_table') ;
532         fields_to_clear_and_set.push('reminder_clue') ;
533         fields_to_clear_and_set.push('reminder_for') ;
534         fields_to_clear_and_set.push('date_rmdr_created') ;
535         fields_to_clear_and_set.push('date_to_remind') ;
536         fields_to_clear_and_set.push('date_of_importance') ;
537         fields_to_clear_and_set.push('reminder_status') ;
538         fields_to_clear_and_set.push('reminder_detail') ;
539     }
540     else if ( Array.isArray(fields) && fields.length > 0 )
541     {
542         fields_to_clear_and_set = fields ;
543     }
544
545     //
546     -----
547     -----
548     switch (operation)
549     {
550         case 'backup': //
```

```
551 -----
552
553     var form_values = get_form_values(formSpecs, 'current') ; //
554         form_values[property]=value   OBJECT
555
556         insert_new_html5_inputs(formSpecs, form_values, fields_to_clear_and_set) ;
557
558     break ;
559
560     case 'update': // ----- NOT USED I BELIEVE
561         -----
562
563         var form_values = get_form_values(formSpecs, 'current') ;
564         // Make on the form a hidden input of similar
565         //   name to hold each of these initial values
566
567         insert_new_html5_inputs(formSpecs, form_values, fields) ;
568 //      $('#debug').html('') ;
569
570     break ;
571
572 }
573
574
575 }) ;
576
577 }
578 //
579 =====
580 =====
581 //
582 =====
583 =====
584 // Function manage_form_fields() calls this to return with an assoc array of field names &
585 values
586
587 function get_form_values(formSpecs, get_which)
588 {
589
590     var nfields = Object.keys(formSpecs).length ;
591
592     var name, type, subtype, temp ;
593     var values = {} ;
594
595     for (var f=0; f<nfields; f++)
596     {
597         name = formSpecs[f]['name'] ;
598         type = formSpecs[f]['type'] ;
599         subtype = formSpecs[f]['subtype'] ;
600
```

```
601
602     if ( get_which === 'backup' )
603     {
604         name = 'orig_'+name ;
605         values[name] = $( 'form input[name="'+name+']' ).val() ;
606     }
607     else
608     {
609
610         if (type === '<select>')
611         { // The below works only because for <select> elements I included ID= with value =
612             'name' value
613
614             values[name] = $( 'form #' + name + " option:selected" ).val() ;
615         }
616         else if ( type === '<textarea>' )
617         {
618             values[name] = $( 'form textarea[name="'+name+']' ).val().replace(/"/g,
619                 "&quot;").replace(/'/, "&apos;"); ; // Using .text() messes w/ what is returned.
620             Go figure.
621         }
622         else
623         {
624             if ( subtype === 'checkbox' )
625             {
626                 temp=0;
627                 if ( $( ' form input[name="'+name+']' ).prop('checked') === true ) { temp=1 ; }
628                 values[name] = temp ;
629             }
630             else
631             {
632                 values[name] = $( 'form input[name="'+name+']' ).val() ;
633             }
634         }
635     } // EO backup or not
636
637     if ( name === 'wireless_no' && values[name].indexOf('(') !== -1 )
638     {
639         values[name] = values[name].strip_phone_format() ;
640     }
641     if ( name === 'sim_id' || name === 'IMEI' || name === 'IMSI' )
642     {
643         values[name] = values[name].replace(' ', ''); ;
644     }
645     // console.log(name+' '+values[f]) ;
646 }
647
648 return values ;
649
650 }
```

```
651 //
652 =====
653 =====
654 //
655 =====
656 =====
657 // Function manage_form_fields() calls this to insert as-loaded values for later
658 comparison
659
660 function insert_new_html5_inputs(formSpecs, form_values, which_fields)
661 {
662
663     if ( which_fields.length === 0 )
664     {
665         $('#invisible .backup').remove() ; // Remove all input elements in that DIV with that
666         class
667     }
668
669     var nfields = Object.keys(formSpecs).length ;
670     var name, subtype, value ;
671
672     for (var f=0; f<nfields; f++)
673     {
674         name = formSpecs[f]['name'] ;
675         subtype = formSpecs[f]['subtype'] ;
676
677         value = form_values[name] ;
678
679         if ( subtype !== 'hidden' && ( which_fields.length === 0 || which_fields.indexOf(name)
680             !== -1 ) )
681         {
682             $('#invisible [name=orig_'+name+']').remove() ;
683             if ( formSpecs[f]['type'] !== '<textarea>' )
684             { $('#invisible').append('<input type="text" name="orig_'+name+'" ID="orig_'+name+'"
685                 class="backup" value="'+value+'" />'+"\n") ; }
686             else
687             { $('#invisible').append('<textarea name="orig_'+name+'" ID="orig_'+name+'"
688                 class="backup">'+value+'</textarea>'+"\n") ; } // Want to preserve line feeds
689         }
690     }
691 }
692 }
693 }
694 //
695 =====
696 =====
697 //
698 =====
699 =====
700 // This commitAircraftModemSwap function is markedly different than other INSERT/DELETES.
```

```
701 // Rather here we just have to point the 'off' Modem to Aircraft with ID=1 => Unassigned,
702 and
703 // point the 'on' Modem to the Aircraft.
704
705 function commitAircraftModemSwap()
706 {
707     var table_row_Aircraft, table_row_ModemOff, table_row_ModemOn ;
708     var php_params = "job=commitAircraftModemSwap" ;
709     var result ;
710
711     table_row_Aircraft = $("#form_4ModemSwap_Aircraft p #table_row_Aircraft").val() ;
712     table_row_ModemOff = $("#form_4ModemSwap_ModemOff p #table_row_ModemOff").val() ;
713     table_row_ModemOn = $("#form_4ModemSwap_ModemOn p #table_row_ModemOn").val() ;
714     if ( table_row_Aircraft === '' || isNaN(table_row_Aircraft) || table_row_ModemOff === ''
715         || isNaN(table_row_ModemOff) || table_row_ModemOn === '' || isNaN(table_row_ModemOn) )
716     {
717         alert("Please use [Search] to populate the Aircraft and Modem forms before clicking
718             [Commit].")
719         throw 'Missing A/C or Modem(s) IDs so cannot perform swap.' ;
720     }
721
722     //
723     =====
724     =====
725
726     php_params +=
727         '&aircraftID='+table_row_Aircraft+'&modemOffID='+table_row_ModemOff+'&modemOnID='+
728         table_row_ModemOn ;
729     $('#debug').html(php_params) ;
730
731     $.ajax({
732         url: '/cldb/PHP/do_FormCommit_work.php',
733         method: "GET" ,
734         cache: false ,
735         data: php_params ,
736         dataType: 'JSON'
737     }).done(function(data)
738     {
739         console.log('AJAXed to do_FormCommit_work.php for commitAircraftModemSwap() on
740             ModemConfig rows, data.status='+data.status) ;
741
742         result = data ; //(typeof data === 'string') ? JSON.parse(data) : data ; // e.g.:
743             table_info['ModemConfig'] => modem_config_id
744
745         alert(result) ;
746
747         $('#4ModemSwapSubmit').prop('disabled', true) ; //
748
749     } ) ;
750
```

751 }
752