

# RESTful Web Clients

Coding Sessions

# cj-client-0.js

```
52 // handle title
53 function title() {
54     var elm, str;
55
56     if(hasTitle(g.cj.collection)===true) {
57         str = g.cj.collection.title||g.title;
58         elm = d.find("title");
59         elm.innerText = str;
60         elm = d.tags("title");
61         elm[0].innerText = str;
62     }
63 }
64
65 // handle content block
66 function content() {
67     var elm;
68
69     elm = d.find("content");
70     d.clear(elm);
71     if(g.cj.collection.content && (typeof g.cj.collection.content)=== "string") {
72         elm.innerHTML = g.cj.collection.content.toString();
73     }
74 }
```

# cj-client-0x.js

```
52 // handle title
53 function title() {
54     var elm, str;
55
56     if(hasTitle(g.cj.collection)===true) {
57         str = g.cj.collection.title||g.title;
58         elm = d.find("title");
59         elm.innerText = str;
60         elm = d.tags("title");
61         elm[0].innerText = str;
62     }
63 }
64
65 // handle content block
66 function content() {
67     var elm;
68
69     elm = d.find("content");
70     d.clear(elm);
71     if(g.cj.collection.content && (typeof g.cj.collection.content)=== "string") {
72         elm.innerHTML = g.cj.collection.content.toString();
73     }
74 }
```

# TPS - Tasks

## Manage your TPS Tasks here.

You can do the following:

- Add, Edit and Delete tasks
- Mark tasks "complete", assign tasks to a user
- Filter the list by Title, Assigned User, and Completed Status

```
{
  "collection": {
    "version": "1.0",
    "href": "//localhost:8181/task/",
    "title": "TPS - Tasks",
    "content": "<div class=\"ui segment\"><h3>Manage your TPS Tasks her
    "links": [
      {
        "href": "http://localhost:8181/home/",
```

# cj-client-1.js

```
76 // handle link collection
77 function links() {
78     var elm, coll;
79     var menu, item, a, img;
80     var head, lnk;
81
82     elm = d.find("links");
83     d.clear(elm);
84     if(g.cj.collection.links) {
85         coll = g.cj.collection.links;
86         menu = d.node("div");
87         menu.className = "ui blue fixed top menu";
88         menu.onclick = httpGet;
89
90         for(var link of coll) {
91
92         }
93         d.push(menu, elm);
94     }
95
96 }
```

# Cj-client-1x.js

```
90     for(var link of coll) {
91
92         // stuff render=none Cj link elements in HTML.HEAD
93         if(isHiddenLink(link)===true) {
94             head = d.tags("head")[0];
95             lnk = d.link({rel:link.rel,href:link.href,title:link.prompt});
96             d.push(lnk,head);
97             continue;
98         }
99
100        // render embedded images, if asked
101        if(isImage(link)===true) {
102            item = d.node("div");
103            item.className = "item";
104            img = d.image({href:link.href,className:link.rel});
105            d.push(img, item);
106            d.push(item, menu);
107        }
108        else {
109            a = d.anchor({rel:link.rel,href:link.href,text:link.prompt,
110                className: "item"});
111            d.push(a, menu);
112        }
113    }
114    d.push(menu, elm);
```

Home	Tasks	Users	Notes	
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## TPS - Tasks

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- Filter the list by Title, Assigned User, and Completed Status

```
{
  "collection": {
    "version": "1.0",
    "href": "//localhost:8181/task/",
```

## cj-client-2.js

```
118 // handle item collection
119 function items() {
120     var elm, coll;
121     var ul, li;
122     var segment, buttons, table;
123     var p, img, a;
124
125     elm = d.find("items");
126     d.clear(elm);
127     if(g.cj.collection.items) {
128         coll = g.cj.collection.items;
129         ul = d.node("div");
130
131         for(var item of coll) {
132             segment = d.node("div");
133             segment.className = "ui segment";
134             buttons = d.node("div");
135             buttons.className = "ui mini buttons";
136
```



## cj-client-2x.js (1)

```
164         // delete link
165         if(isReadOnly(item)===false) {
166             a = d.anchor(
167                 {
168                     href:item.href,
169                     className:"item action ui negative button",
170                     rel:"delete",
171                     text:"Delete"
172                 }
173             );
174             a.onclick = httpDelete;
175             d.push(a,buttons);
176         }
177
```

## cj-client-2x.js (2)

```
218     table = d.node("table");
219     table.className = "ui table";
220     for(var data of item.data) {
221         if(data.display==="true") {
222             tr = d.data_row(
223                 {
224                     className:"item "+data.name,
225                     text:data.prompt+"&nbsp;",
226                     value:data.value+"&nbsp;";
227                 }
228             );
229             d.push(tr,table);
230         }
```

## TPS - Tasks

### Manage your TPS Tasks here.

You can do the following:

- Add, Edit and Delete tasks
- Mark tasks "complete", assign tasks to a user
- Filter the list by Title, Assigned User, and Completed Status

[Read](#)[Edit](#)[Delete](#)[Assign User](#)[Mark Completed](#)[Mark Active](#)

ID	119fz7bhaho
Title	extensions
Tags	forms testing
Complete Flag	true
Assigned User	alice

## cj-client-3.js

```
248 elm = d.find("queries");
249 d.clear(elm);
250 if(g.cj.collection.queries) {
251     coll = g.cj.collection.queries;
252     for(var query of coll) {
253         segment = d.node("div");
254         segment.className = "ui segment";
255         form = d.node("form");
256         form.action = query.href;
257         form.className = query.rel;
258         form.method = "get";
259         form.onsubmit = httpQuery;
260         fs = d.node("div");
261         fs.className = "ui form";
262         header = d.node("div");
263         header.innerHTML = query.prompt + "&nbsp;";
264         header.className = "ui dividing header";
265         d.push(header, fs);
266         for(var data of query.data) {
267             /* ... add inputs ... */
268         }
269         p = d.node("p");
270         inp = d.node("input");
271         inp.type = "submit";
272         inp.className = "ui mini submit button";
273         d.push(inp, p, fs, form, segment, elm);
274     }
275 }
```

# cj-client-3x.js

```
265     for(var data of query.data) {
266         p = d.input(
267             {
268                 prompt:data.prompt,
269                 name:data.name,
270                 value:data.value,
271                 required:data.required,
272                 readOnly:data.readOnly,
273                 pattern:data.pattern,
274                 type:data.type,
275                 max:data.max,
276                 min:data.min,
277                 maxLength:data.maxLength,
278                 size:data.size,
279                 step:data.step,
280                 suggest:data.suggest
281             },
282             (g.cj.collection.related?g.cj.collection.related:null)
283         );
284         d.push(p,fs);
285     }
```

Assign User	Mark Completed	Mark Active
1l9fz7bhaho		
extensions		
forms testing		
true		
alice		

Assign User	Mark Completed	Mark Active
n80s2qgs5		
in client-side tests		
st		
je		

## Queries

### Completed Tasks

Complete

Submit

### Active Tasks

Complete

Submit

### Search By Title

Title

# cj-client-4.js

```
307     elm = d.find("template");
308     d.clear(elm);
309     if(hasTemplate(g.cj.collection)===true) {
310         coll = g.cj.collection.template.data;
311         form = d.node("form");
312         /* ... set add form ... */
313         for(var data of coll) {
314             p = d.input(
315                 {
316                     prompt:data.prompt+"&nbsp;",
317                     name:data.name,
318                     value:data.value,
319                     required:data.required,
320                     readOnly:data.readOnly,
321                     pattern:data.pattern,
322                     type:data.type,
323                     max:data.max,
324                     min:data.min,
325                     maxLength:data.maxLength,
326                     size:data.size,
327                     step:data.step,
328                     cols:data.cols,
329                     rows:data.rows,
330                     suggest:data.suggest
331                 },
332                 (g.cj.collection.related?g.cj.collection.related:null)
333             );
334             d.push(p,fs);
335         }
```

## cj-client-4x.js

```
307     elm = d.find("template");
308     d.clear(elm);
309     if(hasTemplate(g.cj.collection)===true) {
310         coll = g.cj.collection.template.data;
311         form = d.node("form");
312         form.action = g.cj.collection.href;
313         form.method = "post";
314         form.className = "add";
315         form.onsubmit = httpPost;
316         fs = d.node("div");
317         fs.className = "ui form";
318         header = d.node("div");
319         header.className = "ui dividing header";
320         header.innerHTML = g.cj.collection.template.prompt || "Add";
321         d.push(header,fs);
322         for(var data of coll) {
```



Deleted Status

Assign User

Mark Completed

Mark Active

1l9fz7bhaho

extensions

forms testing

true

alice

Assign User

Mark Completed

Mark Active

## Add Task

Title

Tags

Complete

No



Submit

## Queries