RESTful Web Clients

Coding Sessions

cj-client-0.js

```
52      // handle title
53      function title() {
54        var elm, str;
55
56      }
57
58      // handle content block
59      function content() {
60        var elm;
61
62      }
```

cj-client-0x.js

```javascript
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

```javascript
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 |

TPS - Tasks

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

cj-client-2.js

```javascript
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)
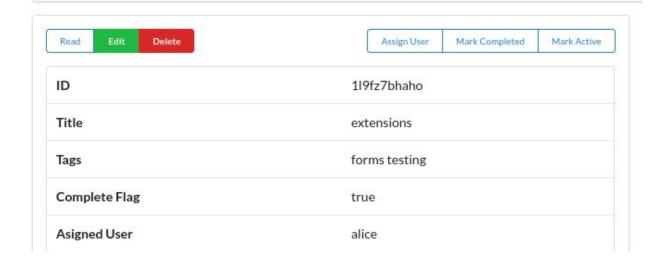
```
218            table = d.node("table");
219            table.className = "ui table";
220            for(var data of item.data) {
221              if(data.display==="true") {
222                tr = d.data_row(
223                  {
224                      className:"item "+data.name,
225                      text:data.prompt+" ",
226                      value:data.value+" "
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
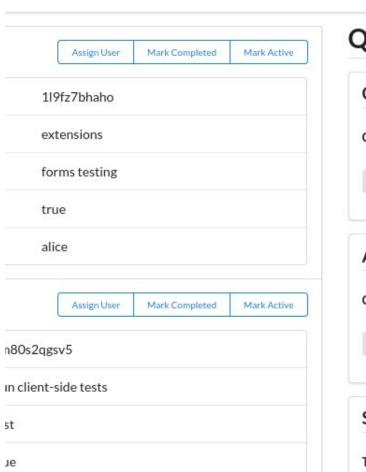- Filter the list by Title, Assigned User, and Completed Status

Read	Edit	Delete		Assign User	Mark Completed	Mark Active

ID	1l9fz7bhaho
Title	extensions
Tags	forms testing
Complete Flag	true
Asigned 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 + " ";
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      }
```

cj-client-3x.js

```javascript
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

1I9fz7bhaho

extensions

forms testing

true

alice

Assign User	Mark Completed	Mark Active

n80s2qgsv5

n client-side tests

st

ue

Queries

Completed Tasks

Complete

true

Submit

Active Tasks

Complete

false

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+" ",
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) {
```

| Assign User | Mark Completed | Mark Active |

1l9fz7bhaho

extensions

forms testing

true

alice

Add Task

Title

Tags

Complete   No ▼

Submit

| Assign User | Mark Completed | Mark Active |

Queries