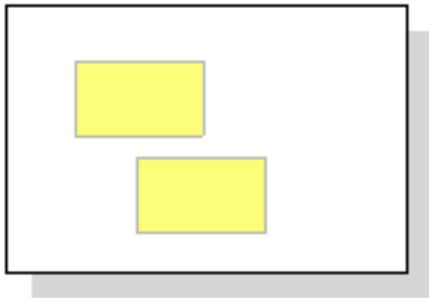# Actions Tech. Note 14

Draft 1.0

Freeway Generated Layout Tables

Freeway 3.5.5 has opened the layout table generated by Freeway to the actions developer. Previously any changes that you wanted to make to the layout table could only be made by searching through raw text generated by Freeway, or by converting the tag hierarchy to text an then searching through that. In Freeway 3.5.5 the layout table generated tags in the tag tree like any other object.

What is the Layout Table?

In Freeway all content that is not a layer is held in position by the layout table. The table never has a border so you will not see it unless you edit the code manually or if you look at the source.

The following very simple page - with just two GIF items

Is actually held in place with the following layout table (the code has been edited to give the table a border so that it can be seen).

Layout table Tags?

Freeway now generates `<table>` tags, with `<tr>` and `<td>` tags within it that are a part of the normal tag tree. The layout table is generated by the page it's self so you can use `fwPage` as a key to filter for just those tags.

The following code fragment will locate all the layout tables on the current page.

```
var bodyTag = fwDocument.fwTags.fwFind("body");
```

```
    if (bodyTag)
    {
      var tables = bodyTag.fwFindAll("table",fwPage);
      for (var i in tables)
      {
      }
    }
```

Example

The following action shows how you might set the border of all layout tables on a page

```
<page-action name="Show Layout Table">
<action-number name="border" default=0 maximum=5 minimum=0>
<action-javascript>

  function fwBeforeEndBody()
  {
    var bodyTag = fwDocument.fwTags.fwFind("body");
    if (bodyTag)
    {
      // look for all the alyout tables

      var tables = bodyTag.fwFindAll("table",fwPage);
      for (var i in tables)
        tables[i].border = '"'+fwParameters.border+'"'
    }
  }

</action-javascript>
</page-action>
```