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# **json4lib Documentation**

***Release beta***

**Digital Special Collections, California Digital Library**

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experiments with json schema and code used by CDL Digital Special Collections



# SOURCE ON GOOGLE CODE

<http://code.google.com/p/json4lib/source/browse/>





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**api**  
javascript source code

**docs**  
this documentation

**lib**  
third party javascript libraries

**schema**  
failed attempt at understanding json schema, tries to describe the JSON objects returned by XTF

**slideshow**  
code for the LHDRP slideshow widget

**test**  
incomplete attempt at some tests for the JSON in node

Contents:

## 2.1 CDL Digital Special Collections Contributor Slideshow Widget

`api/CDL.DSC.slideshowLink.js` provides an event handler that creates a slideshow out of search results on OAC/Calisphere:

```
<a href="http://link-to-XTF-search-results/browse/publisher/City+of+Dublin+Ca.+Heritage+Center"
onclick="return(CDL.DSC.SlideshowLink(this, 'Dublin Slideshow'))">Slideshow of Dublin.</a>
```

it depends on jQueryUI Dialog (<http://jqueryui.com/>) and Pikachoose (<http://pikachoose.com/>)

## 2.2 digital object javascript API

`api/do_api.js` provides javascript methods to data objects in the XTF JSONP results

```
item = new do_api.Item(item);
if (typeof item.data !== 'undefined') {
  var image = item.getImg();
  var caption = item.caption();
  var href = item.href();
}
```

`class do_api.Item(json)`

**Arguments**

- `json` – JSON returned from XTF

**Returns** digital library item object

`item.getImg()`

**Returns** href to image file

`item.caption()`

**Returns** caption to the image (HTML fragment)

`item.thumbnail()`

**Returns** href to thumbnail image

`item.href()`

**Returns** canonical URL for the object (HTML web page)

## 2.3 XTF jsonp result mode

```
{
  "api": {
    "version": "x-001",
    "license": "terms of use for result set",
  },
  "objset_total": 1,
  "objset_start": 1,
  "objset_end": 1,
  "objset": [
    {
      "qdc": {
        "title": "Crate label, \"Collegiate Brand.\" Grown and packed by College Heights",
        "subject": [
          "Fruit crate labels",
          "Advertising",
          "Agriculture",
          "Grapefruit",
          "San Antonio Fruit Exchange",
          "Sunkist",
          "College Heights Orange and Lemon Assn.",
          "Claremont, Los Angeles Co., Calif.",
          "College Heights Orange and Lemon Assn.",
        ],
        {
          "q": "series",
          "v": "Riverside Public Library Citrus Label Collection",
        }
      ],
      "description": "Crate label, \"Collegiate Brand.\" Grown and packed by College Heights",
      "publisher": "Riverside Public Library",
      "date": [
        "02/19/2008",
        "circa 1930s",
      ],
      "type": [
```

```

        "image",
        {
            "q": "dc",
            "v": "image;",
        },
        {
            "q": "dc",
            "v": "lithograph",
        },
    ],
    "format": {
        "q": "x",
        "v": "jp2",
    },
    "identifier": [
        "http://ark.cdlib.org/ark:/13030/kt3h4nd405",
        {
            "q": "local",
            "v": "CRIV_185",
        },
        {
            "q": "local",
            "v": "Loc Hist Lock 769.4 CIT",
        },
    ],
    "language": "eng;",
    "relation": [
        "http://ark.cdlib.org/ark:/13030/kt4199q92w",
        {
            "q": "ispartof",
            "v": "http://www.oac.cdlib.org/findaid/ark:/13030/kt4199q92w",
        },
        {
            "q": "ispartof",
            "v": "ark:/13030/kt0199q6gd",
        },
        {
            "q": "ispartof",
            "v": "http://www.riversideca.gov/library/localhistory",
        },
    ],
    "http://oac.cdlib.org/",
    ],
    "coverage": "Claremont, Los Angeles Co., Calif.",
    "rights": [
        "unknown;",
        "Copyright status unknown. Some materials in these collections may be pro
    ],
    },
    "files": {
        "thumbnail": {
            "src": "http://ark.cdlib.org/ark:/13030/kt3h4nd405/thumbnail",
            "x": 131,
            "y": 120,
        },
        "reference": {
            "src": "http://ark.cdlib.org/ark:/13030/kt3h4nd405/d3e9030",
            "x": 1024,
            "y": 931,
        },
    },

```

```
    }  
  }  
}
```

## 2.4 license

lib/PikaChoose:

```
    PikaChoose  
    http://pikachoose.com/  
http://github.com/jeremyfry/PikaChoose  
    JQuery plugin for photo galleries  
    Copyright (C) 2011 Jeremy Fry
```

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api/do\_api\_Pikachoose.js is Copyright 2011 UC Regents, under the terms of Pikachoose

lib/jquery-ui built using <http://jqueryui.com/download>

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# INDICES AND TABLES

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