

Install git

```
git clone https://github.com/nepahwin/persephone.git
```

Install couchapp

Install python then do:

```
sudo easy_install couchapp
```

Install couchdb

Can use MacPorts or:

CouchBase server from here looks like the full thing:

<http://www.couchbase.com/downloads>

New version of CouchDBX, that I have used in the past

Check it's running okay with:

<http://127.0.0.1:5984/>

```
should return: {"couchdb": "Welcome", "version": "1.0.2"}
```

Install couchdb-lucene

Install maven

Get couchdb-lucene 0.6 from here and follow instructions.

<http://127.0.0.1:5985/>

```
should return: {"couchdb-lucene": "Welcome", "version": "0.6-SNAPSHOT"}
```

Persephone

Clone from here:

<https://github.com/nepahwin/persephone>

Create the database `mj_assays` (name currently hard-coded)

Manually add a design document using Futon :

```
{
  "_id": "_design/test",
  "_rev": "2-2361d0951955dbf7e6c91ae0917fa28c",
  "views": {
    "index": {
      "map": "function(doc) { if (doc.sample.name) { emit(doc.sample.name); } }"
    }
  },
  "fulltext": {
    "by_facility": {
      "index": "function(rec) { var doc=new Document();
doc.add(rec.facility); return doc; }"
    },
    "all": {
      "index": "function(doc) { var ret = new Document(); function idx(obj)
{ for (var key in obj) { switch (typeof obj[key]) { case 'object': idx(obj[key]);
break; case 'function': break; default: ret.add(obj[key]); break; } } }; idx(doc);
return ret; }"
    },
    "search": {
      "index": "function(doc) { var ret = new Document(); function idx(obj)
{ for (var key in obj) { switch (typeof obj[key]) { case 'object': idx(obj[key]);
break; case 'function': break; default: ret.add(obj[key]); break; } } }; idx(doc);
return ret; }"
    }
  }
}
```

Send the application to the database:

```
couchapp push persephone http://127.0.0.1:5984/mj_assays
http://127.0.0.1/mj_assays/_design/persephone/index.html
```

