

> show collections

users circles models submodels contribs fs.files fs.chunks system.indexes

> db.users.find()

```
{ "_id" : ObjectId("4ed7b144ccd8226777f8dbe9"),  
  "name" : "hugo", "password" : "hugopass", "email" : "hugo@mail.com",  
  "acl" : [ { "circle" : ObjectId("4ed7b13dccd8226777f8dbe7") },  
            { "circle" : ObjectId("4ed7b13dccd8226777f8dbe8") } ] }
```

```
{ "_id" : ObjectId("4ed7b144ccd8226777f8dbea"),  
  "name" : "paco", "password" : "pacopass", "email" : "paco@mail.com",  
  "acl" : [ { "circle" : ObjectId("4ed7b13dccd8226777f8dbe7") } ] }
```

```
{ "_id" : ObjectId("4ed7b145ccd8226777f8dbeb"),  
  "name" : "luis", "password" : "luispass", "email" : "luis@mail.com",  
  "acl" : [ { "circle" : ObjectId("4ed7b13dccd8226777f8dbe8") } ] }
```

> db.circles.find()

```
{ "_id" : ObjectId("4ed7b13dccd8226777f8dbe7"),  
  "name" : "cursos", "view" : 1, "edit" : 1, "invite" : 1, "member" : 1 }  
{ "_id" : ObjectId("4ed7b13dccd8226777f8dbe8"),  
  "name" : "research", "view" : 1, "edit" : 1, "invite" : 1, "member" : 1 }
```

> db.models.find()

```
{ "_id" : ObjectId("4ed7b5dbccd8226777f8dbed"),  
  "nombre" : "cursos",  
  "circles" : [ { "acl" : ObjectId("4ed7b13dccd8226777f8dbe7") } ],  
  "tipoContrib" : [ { "nombre" : "clase", "content" : "file",  
                      "widget_browsing" : ObjectId("4ed7b40a66f2dd2a4a449a5d"),  
                      "widget_display" : ObjectId("4ed7b4087cfeb8d815632e3f"),  
                      "metadata" : [ { "name" : "nombre", "tipo" : "string" },  
                                      { "name" : "autor", "tipo" : "string" },  
                                      { "name" : "fecha_creacion", "tipo" : "date" },  
                                      { "name" : "descripcion", "tipo" : "longtext" } ],  
                      "refs" : [ { "name" : "comentarios", "target" : "comentario" },  
                                  { "name" : "recomienda", "target" : "paper",  
                                    "metadata" : [ { "name" : "autor", "tipo" : "string" } ] } ] },  
    { "nombre" : "paper", "content" : "file",  
      "widget_browsing" : ObjectId("4ed7b348087e82b4244dc5b6"),  
      "widget_display" : ObjectId("4ed7b3483ccb79c0d9353e91"),  
      "metadata" : [ { "name" : "nombre", "tipo" : "string" },  
                    { "name" : "autores", "tipo" : "string" },  
                    { "name" : "año", "tipo" : "int" },  
                    { "name" : "abstract", "tipo" : "longtext" } ] },  
    { "nombre" : "comentario", "content" : "longtext",  
      "widget_browsing" : ObjectId("4ed7b3484463f9c224177d63"),  
      "widget_display" : ObjectId("4ed7b3481fde0b0e119d7867"),  
      "metadata" : [ { "name" : "nombre", "tipo" : "string" },  
                    { "name" : "autor", "tipo" : "string" },  
                    { "name" : "fecha_creacion", "tipo" : "date" } ] },  
    { "nombre" : "video", "content" : "url",  
      "widget_browsing" : ObjectId("4ed7b3488612f7016b83235a"),  
      "widget_display" : ObjectId("4ed7b3486fb971d8ac1a7c5a"),  
      "metadata" : [ { "name" : "nombre", "tipo" : "string" },  
                    { "name" : "autor", "tipo" : "string" },  
                    { "name" : "fecha_creacion", "tipo" : "date" } ] } ] }
```

```
> db.submodels.find()
{ "_id" : ObjectId("4ed7b63accd8226777f8dbee"),
  "nombre" : "cursoJava",
  "title" : "Introducción a la Programación",
  "model" : ObjectId("4ed7b5dbccd8226777f8dbed"),
  "circle" : [ { "acl" : ObjectId("4ed7b13dccd8226777f8dbe7") } ] }
```

```
> db.contribs.find()
{ "_id" : ObjectId("4ed7b699ccd8226777f8dbef"),
  "submodel" : ObjectId("4ed7b63accd8226777f8dbee"),
  "tipoContrib" : "paper",
  "content" : ObjectId("4ed7b3470e20d44690de904e"),
  "metadata" : { "nombre" : "Defining the Java Virtual Machine as Platform for Provably Correct Java Compilation",
    "autores" : "Borger, E. and Schulte, W.",
    "año" : "1998",
    "abstract" : "Abstract. We provide concise abstract code for running the Java Virtual Machine (JVM) to
execute compiled Java programs, and define a general compilation scheme of Java programs to JVM code. These
definitions, together with the definition of an abstract interpreter of Java programs given in our previous work [3], allow
us to prove that any compiler that satisfies the conditions stated in this paper compiles Java code correctly. In addition we
have validated our JVM and compiler specification through experimentation. The modularity of our definitions for Java,
the JVM and the compilation scheme exhibit orthogonal language, machine and compiler components, which fit together
and provide the basis for a stepwise and provably correct design-for-reuse. As a by-product we provide a challenging
realistic case study for mechanical verification of a compiler correctness proof. " } }
```

```
{ "_id" : ObjectId("4ed7b699ccd8226777f8dbf0"),
  "submodel" : ObjectId("4ed7b63accd8226777f8dbee"),
  "tipoContrib" : "comentario",
  "content" : "Este paper es muuuuy largo",
  "metadata" : { "nombre" : "tl;dr", "autor" : "hugo", "fecha_creacion" : "2011-11-22" } }
```

```
{ "_id" : ObjectId("4ed7b699ccd8226777f8dbf1"),
  "submodel" : ObjectId("4ed7b63accd8226777f8dbee"),
  "tipoContrib" : "clase",
  "content" : ObjectId("4ed7b3476b4f2efa76744346"),
  "metadata" : { "nombre" : "Introduction to Programming Using Java",
    "autor" : "David J. Eck Hobart and William Smith Colleges",
    "fecha_creacion" : "2006-12-01", "descripcion" : "Introduction to Programming Using Java is a free
introductory computer programming textbook that uses Java as the language of instruction. It is suitable for use in an
introductory programming course and for people who are trying to learn programming on their own. There are no
prerequisites beyond a general familiarity with the ideas of computers and programs. There is enough material for a full
year of college-level programming. Chapters 1 through 7 can be used as a textbook in a one-semester college-level course
or in a year-long high school course." },
  "refs" : [ { "comentarios" : ObjectId("4ed7b699ccd8226777f8dbf0") },
    { "recomienda" : ObjectId("4ed7b699ccd8226777f8dbef"), "metadata" : { "autor" : "hugo" } } ] }
```

```
{ "_id" : ObjectId("4ed7b699ccd8226777f8dbf2"),
  "submodel" : ObjectId("4ed7b63accd8226777f8dbee"),
  "tipoContrib" : "video",
  "content" : "http://www.youtube.com/embed/b-Cr0EWwaTk",
  "metadata" : { "nombre" : "Java rap", "autor" : "paco", "fecha_creacion" : "2011-11-22" } }
```

```
{ "_id" : ObjectId("4ed7b3470e20d44690de904e"), "filename" :  
"/home/cvairretti/filesPopulateMongo/1998BorgerJVMasPlatformForPcorrect.pdf", "chunkSize" : 262144, "uploadDate" :  
ISODate("2011-12-01T17:03:03.666Z"), "md5" : "d5154a1cf0ff88485f7ef0dde42509b0", "length" : 319421,  
"contentType" : "application/pdf" }  
  
{ "_id" : ObjectId("4ed7b3476b4f2efa76744346"), "filename" : "/home/cvairretti/filesPopulateMongo/javanotes5.pdf",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.159Z"), "md5" :  
"6498bce2a4721650624a4297ebdeba00", "length" : 5209053, "contentType" : "application/pdf" }  
  
{ "_id" : ObjectId("4ed7b348087e82b4244dc5b6"), "filename" : "/home/cvairretti/filesPopulateMongo/wb-paper1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.329Z"), "md5" :  
"f4496b94db0c3ed4a3bc376736f23761", "length" : 187, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b3483ccb79c0d9353e91"), "filename" : "/home/cvairretti/filesPopulateMongo/wd-paper1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.470Z"), "md5" :  
"cf6cd597c6597723194c4735c0ea0d35", "length" : 187, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b3484463f9c224177d63"), "filename" : "/home/cvairretti/filesPopulateMongo/wb-  
comment1.html", "chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.640Z"), "md5" :  
"0a4780aac9b9eae6c79588fd08e52e1a", "length" : 191, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b3481fde0b0e119d7867"), "filename" : "/home/cvairretti/filesPopulateMongo/wd-  
comment1.html", "chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.813Z"), "md5" :  
"854e9c0916ea14b48e478ceb4cb00af4", "length" : 191, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b3488612f7016b83235a"), "filename" : "/home/cvairretti/filesPopulateMongo/wb-video1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.900Z"), "md5" :  
"a9b7355798dfcc93f7069c5bcfef3642", "length" : 187, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b3486fb971d8ac1a7c5a"), "filename" : "/home/cvairretti/filesPopulateMongo/wd-video1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:03:04.970Z"), "md5" :  
"1f0eab06aa077d5fe73d4385d3afb91a", "length" : 187, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b4087cf8d815632e3f"), "filename" : "/home/cvairretti/filesPopulateMongo/wd-class1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:06:16.229Z"), "md5" :  
"1f0eab06aa077d5fe73d4385d3afb91a", "length" : 187, "contentType" : "text/html" }  
  
{ "_id" : ObjectId("4ed7b40a66f2dd2a4a449a5d"), "filename" : "/home/cvairretti/filesPopulateMongo/wb-class1.html",  
"chunkSize" : 262144, "uploadDate" : ISODate("2011-12-01T17:06:18.760Z"), "md5" :  
"a9b7355798dfcc93f7069c5bcfef3642", "length" : 187, "contentType" : "text/html" }
```