Mongo DB helpful functions

//init mongodb for use of database

var MongoClient=require('mongodb').MongoClient;

var database=null;

//var url = "mongodb://localhost:27017/mydb";

var url = "mongodb://localhost:27017/cardgames";

MongoClient.connect(url, function(err, db) {//create a new collection  
  if (err) throw err;  
  var dbo = db.db("mydb");  
  dbo.createCollection("customers", function(err, res) {  
    if (err) throw err;  
    console.log("Collection created!");  
    db.close();  
  });  
});

MongoClient.connect(url, function(err, db) {//add an object

if (err) throw err;

var dbo = db.db("mydb");

var myobj = { name: "Big ben", address: "Park Lane 38" };

dbo.collection("customers").insertOne(myobj, function(err, res) {

if (err) throw err;

console.log("1 document inserted");

db.close();

});

});

MongoClient.connect(url, function(err, db) {//find one object

if (err) throw err;

var dbo = db.db("mydb");

dbo.collection("customers").findOne({}, function(err, result) {

if (err) throw err;

console.log(result.name);

db.close();

});

});

MongoClient.connect(url, function(err, db) {//find a specific query

if (err) throw err;

var dbo = db.db("mydb");

database=dbo;

var query = { address: "Park Lane 38" };

dbo.collection("customers").find(query).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

});

});

MongoClient.connect(url, function(err, db) {//take out and sort

if (err) throw err;

var dbo = db.db("mydb");

var mysort = { name: 1 };

dbo.collection("customers").find().sort(mysort).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

});});

MongoClient.connect(url, function(err, db) {//delete

if (err) throw err;

var dbo = db.db("mydb");

var myquery = { address: 'Highway 37' };

dbo.collection("customers").deleteOne(myquery, function(err, obj) {

if (err) throw err;

console.log("1 document deleted");

var mysort = { name: 1 };

dbo.collection("customers").find().sort(mysort).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

});

db.close();

});

});

MongoClient.connect(url, function(err, db) {//update a value

if (err) throw err;

var dbo = db.db("mydb");

var myquery = { address: "Valley 345" };

var newvalues = { $set: {name: "Mickey", address: "Canyon 123" } };

dbo.collection("customers").updateOne(myquery, newvalues, function(err, res) {

if (err) throw err;

console.log("1 document updated");

db.close();

});

});

MongoClient.connect(url, function(err, db) {//drop collection

if (err) throw err;

var dbo = db.db("mydb");

dbo.collection("customers").drop(function(err, delOK) {

if (err) throw err;

if (delOK) console.log("Collection deleted");

db.close();

});

});