



# Mongoose Cheatsheet

## Initialize

```
mongoose = require("mongoose")
mongoose.connect("localhost/test")
```

## Schema:

```
# Setup schema

schemaObject =
  name:"String"
schemaOptions =
  strict:false
  # collection: mongooseCollectionName

schema = mongoose.Schema(schemaObject,schemaOptions)

# Static Methods
schema.statics "methodName",(callback)->
  this.find({name: name}, callback)

# Instance Methods
schema.methods.findSimilarTypes = (callback)->
  this.model('Animal').find({ type: this.type }, callback)
```

## Model

```
# Setup model
Model = mongoose.model("CollectionName",schema)

# Initialize a model:
model = new Model(key:"value")
```

## CRUD

```
# Create:
model.save (err,data)->
  # Do Something

# Read:
model.find {### Arguments ###},(err,data)->
  # Do Something

# Get ObjectId:
id = mongoose.Types.ObjectId(idString)

# Update:
Model.findByIdAndUpdate id,object,(err,data)->
  # Do Something

# Delete:
Model.findByIdAndRemove id,(err,data)->
  # Do Something
```

## Express Restful Example

```
base ?= "/restapi"
app.delete "#{base}/:id",(req,res)->
  Model.findByIdAndRemove req.params?.id,(err,data)->
    res.json(data)
app.post "#{base}/:id",(req,res)->
  Model.findByIdAndUpdate req.params?.id, req?.body, (err,data)->
    res.json(data)
app.post "#{base}",(req,res)->
  model = new Model(req.body)
  model.save (err,data)->
    unless err then res.json data
app.get "#{base}",(req,res)->
  Model.select("-password").find({}).sort("-id").exec(err,data)->
    res.json data
```

