Mongo Commands

Use Robo 3T

Installs

install [mongodb community server](#)

(Run the installation as admin, uncheck compass, Let it install a Windows Services)

install [Robo3T](#)

DBs and Collections

```
show dbs;
use my_db;
show collections;
```

Inserting

```
db.customer.insert({fullName: 'Madonna Sweet',balance: 32});
db.customer.insert({fullName: 'Shraga Puk',balance: 89});
db.customer.insert([{fullName: 'A',balance: 11}, {fullName: 'B',balance: 11}]);
db.customer.insert({fullName: 'Mick Jager', balance: 1132, address: {city: 'Boston'} });
```

Querying

```
db.customer.find();
db.customer.find().pretty();
db.customer.find({balance: 89});
db.customer.find({balance:{$gt:40 }});
db.customer.findOne({"_id":ObjectId("579c6ecab87b4b49be12664c")});
db.customer.find({$or: [{balance: {$gt: 40}},{fullName: 'A'}]}).pretty();
db.customer.find({'address.city': 'Boston'});
db.customer.find().sort({fullName: -1});
db.customer.find().count();
db.customer.find().limit(4);
```

Removing

```
db.customer.remove({balance: 0});
db.customer.remove({_id:ObjectId("579c6ecab87b4b49be12664c")});
```

```
db.customer.remove({balance: 11}, {justOne:true});
```

Updating

```
// Replacing the found object (loosing the fullName)
db.customer.updateMany({ balance: 11 }, { balance: 20 });

// Just updating the balance:
db.customer.updateMany({ balance: 11 }, { $set: { balance: 20 } })

// Update one:
db.customer.updateOne({ "_id": ObjectId("579c6ecab87b4b49be12664c") },
                      { $set: { balance: 20 } })

// In the real life we will have something like:
db.customer.updateOne({ "_id": ObjectId("579c6ecab87b4b49be12664c") },
                      { $set: { ...updatedCustomer } })
```

MORE

```
// Insert if not exist in update
db.customer.update({ name: 'muki' }, { name: 'muki', price: 20 }, { upsert: true })

$or // https://docs.mongodb.com/manual/reference/operator/query/or

// everyone that has shmuli in his nicknames array
db.customer.find({ nicknames: 'Shmuli' })

db.customer.updateOne({ name: 'puki' }, { $inc: { price: 5 } })

// Add a user to Trip
db.trip.findOneAndUpdate({ _id: tripId },
    { $push: { interestedUsers: userId } },
    { returnNewDocument: true })
```

Demo Data

Getting quick and quality demo data is a key for coding a meaningful and impressive product

Example:

http://www.filltext.com/?rows=10&fullName={firstName}~{lastName}&balance={nu

[mber|100}&gender=["M","F"]&tel={phone|format}&ccType={ccType|abbr}&birthdate={date|1970,2000}&isActive={bool}&pretty=true](#)

We can import the data directly to our DB by running (e.g. from Robo3T):

```
db.getCollection('customer').insertMany([ arrayFromSomewhere ]);
```