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Common Mongoose Commands

Here is a list and examples of some common Mongoose Commands you may need to use. These projects so make sure to practice them as much as you can.

```
// Create a Schema for Users
var UserSchema = new mongoose.Schema({
  name: {type: String},
  age: {type: Number}
}, {timestamps: true})
// Store the Schema under the name 'User'
mongoose.model('User', UserSchema);
// Retrieve the Schema called 'User' and store it to the variable User
var User = mongoose.model('User');
```

Finding all users

```
// Using the User Schema...
// ...retrieve all records matching {}
User.find({}, function(err, users) {
  // Retrieve an array of users
  // This code will run when the DB is done attempting to retrieve all matching records to {}
})
```

Finding all users based on a requirement

```
// ...retrieve all records matching {name:'Jessica'}
User.find({name:'Jessica'}, function(err, user) {
  // Retrieve an array of users matching the name. Even if 1 record is found, the result will be an array the size of the array.
  // This code will run when the DB is done attempting to retrieve all matching records to {name:'Jessica'}
})
```

Finding one user

```
// ...retrieve 1 record (the first record found) matching {}
User.findOne({}, function(err, user) {
  // Retrieve 1 object
  // This code will run when the DB is done attempting to retrieve 1 record.
})
```

Let's create a sample user

```
// ...create a new instance of the User Schema and save it to the DB.
var userInstance = new User()
userInstance.name = 'Andriana'
userInstance.age = 29
userInstance.save(function(err){
  // This code will run when Mongo has attempted to save the record.
  // If (err) exists, the record was not saved, and (err) contains validation errors.
  // If (err) does not exist (undefined), Mongo saved the record successfully.
})
```

Delete all users

```
// ...delete all records of the User Model
User.remove({}, function(err){
  // This code will run when the DB has attempted to remove all matching records to {}
})
```

Delete one user

```
// ...delete 1 record by a certain key/value.
User.remove({_id: 'insert record unique id here'}, function(err){
  // This code will run when the DB has attempted to remove all matching records to {_id: 'insert record unique id here'}
})
```

Update any records



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```
// ...update any records that match the query
User.update({name:'Andrinnna'}, {name:'Andriana'}, function(err){
  // This code will run when the DB has attempted to update the matching record.
})
// another way to update a record
User.findOne({name: 'Andriana'}, function(err, user){
  user.name = 'Andri'
  user.save(function(err){
    // if save was successful awesome!
  })
})
```

For more resources on mongoose commands: <http://mongoosejs.com/docs/index.html> (<http://r>

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