

## CS1003 Week 7 Exercise 1: NoSQL: MongoDB

As with all lab exercises, this exercise is not assessed. It is intended solely to help you understand the module material.

The aim of this exercise is to practice processing of data in a NoSQL system. This week you will be re-implementing your artists and albums with MongoDB.

You will need to download the MongoDB system for your own computer from: <https://www.mongodb.com/try/download/community>

The installation guide is here: <https://docs.mongodb.com/guides/server/install/>

On OSX this downloads a gzipped tar file: in other words a file with a .tar.gz extension.

When this file is unzipped you will get a number of different files including:

- mongod – the MongoDB server which manages the MongoDB database

- mongo – the MongoDB command shell with which you can interact with MongoDB.

The installation is different on each operating system. In all you need to run Mongod as some kind of daemon process before starting the client.

Once you have the server and the client running, try some of the examples from the lectures first.

Once you have those running try populating your MongoDB database with a new collection(s) for artists and albums as you see fit and perform some of the queries you performed with SQLite.

Think about how MongoDB is different from SQLite.

**You are not required to hand anything in this week – we trust you will do this exercise.**