

Software Design and Engineering

Lab Document

High Level Purpose Statement:	I want to figure out how to use MongoDB to create and use a database for a java project.
Experimental Design:	The software is a database for Magic cards that has added functionality to connect to Scryfall API and pull that cards prices and add it to the database.
Resources Available:	Documentation on MongoDB's website showed me how to get the server up and running.
Time Estimate:	Took about 2 hours to convert the project from PostgreSQL to MongoDB
Experiment Notes:	Because MongoDB doesn't need a schema infrastructure it seems like the conversion was super easy and getting other people to run the program will be a lot easier and require a lot less work (hopefully)
Results:	Program seems to run well, I haven't noticed anything wrong from the few cards Ive added to the database and called the prices for.
Consequences for the Future:	I could definitely see myself using MongoDB again, maybe even over PostgreSQL.