**Kyle Cubit**

**Advanced Computer Programming**

**Project 1**

**User’s Manual**

**Setup and compilation**

1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.
2. The submission includes:

* dbOperations.log (logs all database operations)
* Vehicles.dat (Where randomized values will be written)
* Vehicle.java (To be used as a template for the table)
* VehicleValues.dat (Values related to vehicle class)
* TestDatabaseManager.java (Tests the classes)
* DatabaseManager.java (Performs various operations on the database)
* SimpleDataSource.java (Gets a connection to the database)
* CubitKUsersManual.docx (this file)
* CubitKUML.png

1. Environment: This program has been tested in Eclipse for Mac.
2. Compiling: Import this project into Eclipse. The program will run correctly there.

**Running the program**. The submission comes with VehicleValues.dat and TestDatanaseManager.java located in the correct directory. Click the run button in Eclipse. The program will compile and run. No command line arguments are required or checked.

VehicleValues.dat must be a comma separated list with one set of values per line.

**Output.** Output will be both to the console, dbOperations.log, and Vehicles.dat.

**Console output will look like this:**

Table created

Inserting values into Vehicle

Issuing query: SELECT \* FROM Vehicle.

MAKE SIZE WEIGHT ENGINESIZE IMPORTED

Chevy fullSized 3862.77 04.98 true

Ford fullSized 3854.93 04.3 false

Nissan fullSized 3428.09

false

**Output to Vehicles.dat will look like this:**

Toyota,compact,1900.51,5.18,false

Chevy,fullSized,3201.79,5.46,true

Nissan,fullSized,2910.41,5.36,true

Ford,fullSized,2506.89,2.53,true

**Output to dbOperations.log will look like this:**

Database Log

#############

Issuing command: DROP TABLE Vehicle

Command: DROP TABLE Vehicle failed.

Creating database.

Table Created.

Issuing command: INSERT INTO Vehicle Values(Toyota,compact,1900.51,5.18,false,)

Issuing command: INSERT INTO Vehicle Values(Chevy,fullSized,3201.79,5.46,true,)