**Software Discovery**

SQLite3 will be the database management system we will use. SQLite is a simple, reliable, and serverless DBMS and “one of the most widely used database systems in the world”[1]. It is primarily used in mobile, laptops, and embedded systems that have limited memory space. It has all the basic features other DBMSs have, plus more. SQLite can be used with the Command Line Terminal or a Graphical User Interface. The best thing about SQLite is that it does not need a separate server to function since it is a file-based DBMS.

We chose SQLite because it is simple and easy to set up for our project. One drawback of SQLite is that it can not handle large-scale data, but for our project purposes, this is not a problem.

The work area of SQLite3:

A screenshot of a computer

Description automatically generated

CREATE TABLE script: SQLite will create the specified table by including the name and columns



SELECT script: SQLite will display the specified columns of a table

A black screen with white text

Description automatically generated

INSERT script: SQLite can insert values to specific columns in a table



UPDATE script: SQLite will update the columns of the specified record

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Description automatically generated

DELETE script: SQLite will delete the records of a specified table

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Description automatically generated

DROP TABLE script: SQLite will delete the table and all the information contained in it.



[1] <https://www.sqlite.org/about.html>