

Why Database

Let's start with a few word definitions.

Database: a structured set of data held in a computer, especially one that is accessible in various ways.

Data: facts and statistics collected together for reference or analysis.

SQL: Structured Query Language, an international standard for database manipulation.

Web Based: relating to or done using the Web (= the system of connected documents on the internet).

Application: An application, or application program, is a software program that runs on your computer. Web browsers, e-mail programs, word processors, games, and utilities are all applications. The word "application" is used because each program has a specific application for the user.

Next Question: Why use a web based applicaton ? **Answer:** Once set up, access to the application is easy and secure. Multiple users across a number of facilities can access the data with ease.

In the old days before the internet and web services computer applications (programs) were stand alone and access to the application was not easy as in the beginning networking was not even in existence.

With the advent of Networking and the Internet the ability of workers to share information and to communicate exploded. Well Database Applications are all around us and we do not really realize where they are. My Elder Scrolls Online game is a large Database with Millions of users on the game at the same time. Your bank uses a Database to communicate with you if you us online banking. There are many more applications but enough on that.

I want to talk about why I think Database Applications have grown and are one of the best ways to enter, track and view Data.

If you are using a Spread Sheet like excell to do some work with your Data and you lookup, enter, sort and view the data then you probably would be more efficient with using a database manager software. An Application that is customized to handle your needs.

By having your information (Data) in a database you can use SQL queries to extract facts grouped as to how you want to see them. If one were to look at the Ratsupport.com's Asset Management Application they could see the power of SQL and Web Based Applications.

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In the Ratsupport.com's Asset Management Application is a function called a **FILTER** and the purpose of the filter is to allow a user to select various aspects of the data and extract only that data that meets the requirements and then display's this data in a table for the user to observe.

There is also a **Quick Search** that allows the user to enter a bit of a search phrase and search the database for records that match. I have a Database on Ratsupport.com that holds the classmates that graduated with me. If I want to find a person's name and information stored in the Database I can enter something like "Jim" and hit the search button and a table will show up with all the "Jim's" in my graduating class. This does not take much time.

I hope this little bit of discussion is a help for those that do not understand that using a Database can probably improve the operation of their business or provide them with a way to monitor their passwords, or assets etc.

These Applications can be run on a Web Server (Ratsupport.com) or my Host Provider, on a personal computer, make and model is not real important as this type software runs on almost any type machine.

With the database applications I create it is easy to connect, view and edit your data on almost any type device. You can use a Desktop, Laptop, Tablet, Iphone or smart phone to see and use the application. This data can be accessed via the internet so if your device can get an internet connection then you can have assess to your data.