

## Backing up a CSR Database Program

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There are several ways to write a database program and many of these ways favor the programming engineer over an end user. It has been my experience in backing up programs and recovering from a situation where the computer a program was operating on had died, that the simpler it is to recover from this situation the easier it is on an end user. If a database program has several folders with supporting files and a backup program is set to only record those files that change, some times when the program is restored it no longer functions. Other times when a program is backed up it also has registry entries that are not being backed up and recovering from a hard drive failure in this case is not going to happen.

All of the cemetery database programs designed by CSR Consultants, LLC are designed into a single database file. The database engine installs separate from the main database file. This engine has several files that automatically update from Microsoft update websites. This engine also writes registry files.

CSR provides flash drives to clients to back up their primary database file. On XP, Vista and Windows 7 a user only needs to enter the name of the database file into the OS search and Windows finds the location of the file.

<b>Database Program</b>	<b>File Name</b>
Cemetery Management 2003	CM2003
Cemetery Management 2.3b	CM2003b
Cemetery Management 2.3v	CM2003v
Cemetery Management SC	CM2400
Cemetery Management SC Lite	CM2500
Cemetery Management Max Single	CMM2005I
Cemetery Management Max Multiple	CMM2005M

The first thing to do is to locate the primary file. Next is to plug in a flash drive and wait until you are presented with the option to open to its primary folder. In the flash drive make a new folder called what this update is for; example is "Owner Update today's date". Right click on the file presented in the search box and select to copy. Open the folder you created on the flash drive, right click and select to paste the file into this folder. You have made a copy of the database onto a flash drive.

If a client experiences a hard drive failure and now needs to install their program onto a new hard drive or new computer, CSR offers methods for recovering from these types of failures.

On an older database program release or if a client wants to upgrade to the latest release they can purchase an upgrade and we will repackage their data into a new program that installs onto the latest release Microsoft Operating System. Older database releases are not configured to operate on the latest operating systems. The client will need to upgrade their existing database data to operate on the latest Microsoft Operating Systems.

If a client wants to remain on their existing computer with a new hard drive we can instruct a client to install the program from the original CD and then over write the primary database file with the copy they have on their flash drive.