

using dbschema.exe

After declaring and compiling your *domain* (i.e. your [domain object classes](#)), you use `dbschema.exe` to derive an sql-script from it. This sql-script in turn sets up your database for persisting instances of the [domain object classes](#).

The canonical way to develop a re-motion application is to have

- a *domain project* with all the domain object classes
- a *sample project* or *test project* for exercising those domain object classes, typically a console application
- (eventually, you will also have a *web project*, but this is beyond the scope of this page)

This is called the *canonical project structure*. If you have not read the page [canonical project structure](#) yet, please do so. The following explanation will assume the canonical project structure.

If you have a sample project that will use the domain object classes, you can use the application's `App.config` ([App.config](#)) for telling `dbschema.exe` what the name of the database is. If you don't specify an `App.config` file, `dbschema.exe` will generate a `USE DatabaseName -` for first experiments this is easy to fix manually, of course.

The output file, the sql script for setting up the database, is named ([SetupDB.sql](#)). It does not matter where you store it, but we invoke `dbschema.exe` in the [solution root](#), i.e. the parent directory of all sub-projects. For the PhoneBook project, this invocation looks like this:

```
Remotion\net-3.5\bin\debug\dbschema.exe
 /basedirectory:PhoneBook.domain\bin\debug /verbose
 /config:PhoneBook.Sample\App.config
```

- The `/basedirectory` is the directory with the [domain assembly](#) (can be more than one)
- The `/verbose` switch gives you more comprehensive error messages in the case something goes wrong
- The `config` switch specifies which configuration file `dbschema.exe` shall use

If everything works out, `dbschema.exe` has no output. Both `/verbose` and `/config` are optional. As explained above, `dbschema.exe` will generate `USE DatabaseName` instead of `USE PhoneBook` (for example), so that you have to fix the database name manually.

See also

- [App.config](#)
- [Trouble-shooting dbschema.exe](#)