017 TypeScript - setup bower

TypeScript Kata List – Blog Page

[TypeScript Kata List on GitHub](https://github.com/robertdunaway/katas-typescript)

# Duration

5 minutes

# Brief

Setting up Bower to provide 3rd party libraries and configuring Gulp to move the required files to wwwroot.

### For More Information

BING/GOOGLE: “TypeScript Visual Studio Bower”

# Instructions

Get tutorial folder or the entire katas-typescript repo.

Open the [before/\*.sln] file and execute the kata.

Feel free to execute this kata multiple times because repetition creates motor memory.

# Github

* Before (start kata with this)
  + https://github.com/robertdunaway/katas-typescript/tree/master/017%20TypeScript%20-%20setup%20bower/before
* After
  + https://github.com/robertdunaway/katas-typescript/tree/master/017%20TypeScript%20-%20setup%20bower/after

# Kata

Bring up a command line in the root of the project and run the following commands.

Globally install Bower

npm install bower -g

Create the initial Bower file

bower init

Install two bower packages to match the two TSD files installed earlier.

bower install jquery --save

bower install angular --save

At this point bower is installed and a new bower\_components directory is create. The bower\_components folder should not be checked in with your source code. Be sure to exclude it where ever you can in the \*.json files.

The last thing you might want to do is configure gulp to move files from bower into the wwwroot folder for use by your application.

Let’s add some of the more common libraries to our project. First we must add them to our bower.json and then we can move the required files to wwwroot.

Getting the libraries installed.

bower install --save bootstrap

bower install --save normalize.css

bower install --save fontawesome

bower install --save jQuery

bower install –-save angular

bower install –-save angular-ui-router

bower install –-save angular-bootstrap

bower install –-save lodash

Now we can add a task for moving only the required files to the wwwroot folder.