Application Templating Engine

Architecture

Templating Library

Takes an object and applies it to a folder/file template.

Use dependency inversion to inject language service to compile arguments with.

Language Service

Interface

Compile code

Run code

Implementations

C# and JavaScript implementations

Conversion Library

Converts one file format to another using file conversion interfaces. Import from a specified format with a specified structure and export to a specified format. Eg. Import from a SQL database schema to an Application Definition object and export to a json file.

(interface segregation – for import and export interfaces) (Some formats might only import).

Plugin Pattern with Conversion Interface to support Inversion of control with support for different file formats.

Application Definition

Library providing a specific set of classes for defining an application definition.

Cli Application

Command line interface application to implement conversions and apply application definition to a template folder/file.

Dependency injection? for the purpose of defining the class used in the import and the language service for the template.