**Program Structure:**

This program contains the following components:

1. ApiService – the service layer that takes RESTful request from different types of client: console app, web app, mobile app, web service, etc.
2. Api.Output – the output business logic
3. OutputterFactory – returns the Outputter instance defined in configuration file
4. APIUnitTest – unit test for outputters

**Request Format:**

POST <http://localhost:33285/api/Output> HTTP/1.1

Header:

User-Agent: Fiddler

Host: localhost:14311

content-type: application/json

Content-Length: 15

Body: “hello world”

Configurations:

**Web.config of ApiService:**

<appSettings>

<add key="Outputter" value="API.Output.Outputters.FileOutput"/>

</appSettings>

The value is the output class fully-qualified name:

API.Output.Outputters.FileOutput

API.Output.Outputters.DbOutput

API.Output.Outputters.ConsoleOutput