|  |  |
| --- | --- |
|  | LAB | REST APIs with Swagger |
|  | WORKSHOP | Design Patterns |
|  | Crystal Tenn  crtenn@microsoft.com |

# SETUP LAB ENVRIOMENT

## Prerequisites

To perform the tasks in this lab you need following:

* Visual Studio 2015 or 2017, any version

## Objectives

In this lab you will complete following tasks:

* Create a simple Console calculator application with dependency injection using Mef

### Estimated Completion Time: 1 hour

<https://github.com/catenn/ToDoListAzure>

**Task: Setup SQL and Stored Procedures**

In this task you will create a new Console application.

1. Import the following file.
2. View the Stored Procedures to understand what is happening.
3. Your local SQL database should look something like this now:

## Task: Setup your REST APIs

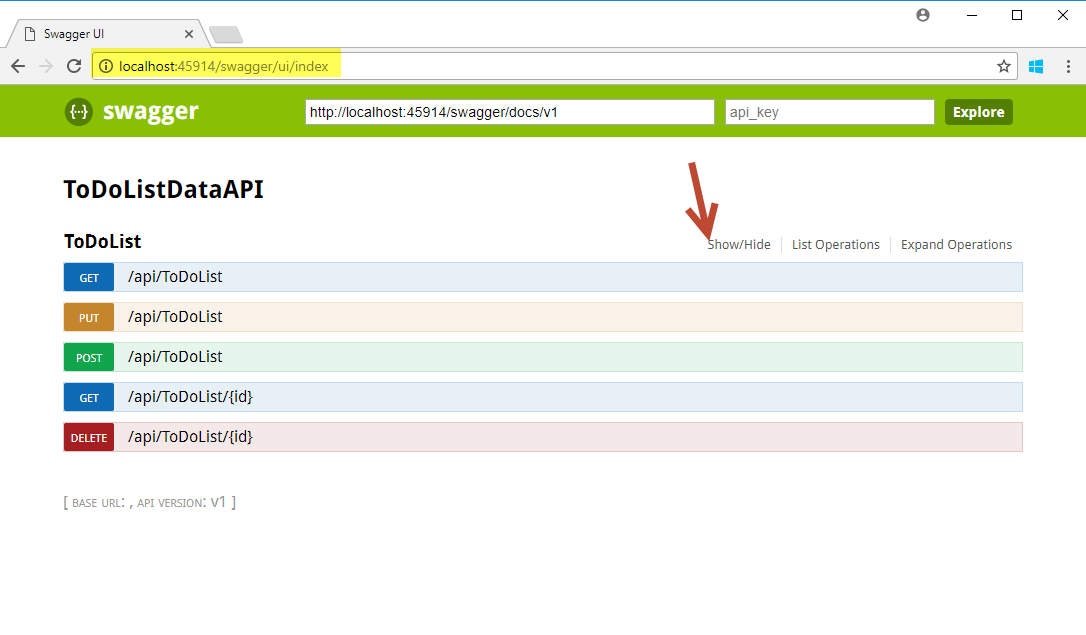
In this task you will create a new Console application.

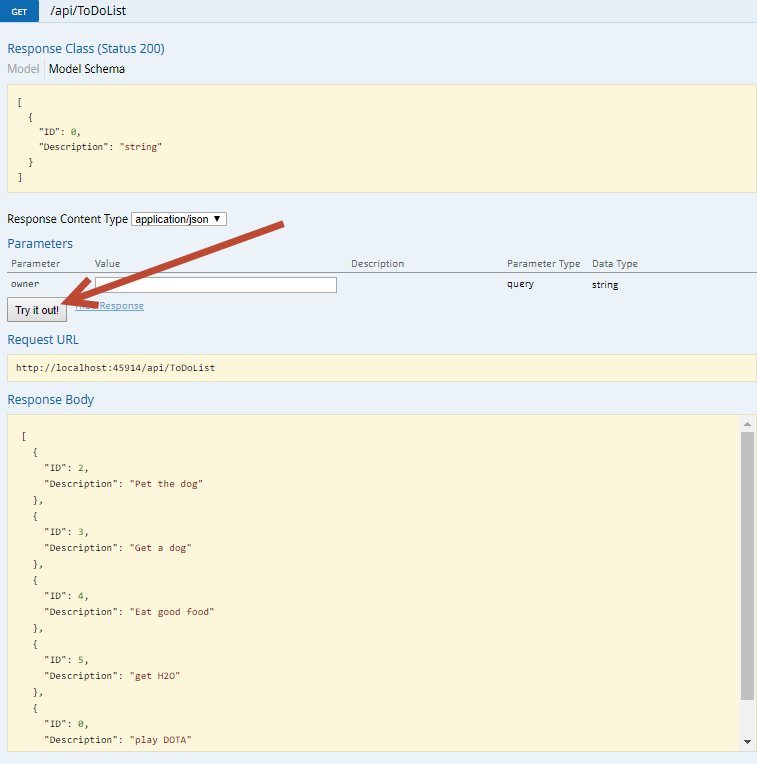
1. Open the ToDoListDataAPI solution.
2. Run the project.

## Task: Run Swagger

In this task you will create a new Console application.

1. Open the ToDoListDataAPI solution.
2. Run the project.
3. Add "/swagger" to the end of your URL if it is not already there, you should see a page like this:



1. Try to run a GET all which is the first API on the page /api/ToDoList, you should see:
2. 
3. Try to run a POST, first click where the screenshot shows, and fill in an ID with 10 and any description you want. You should see (also check in SSMS and refresh your table):
4. Try to run a GET all again, you should see your added value:
5. Try to run a PUT, again click to get the format from where it's shown in the screenshot and modify an existing record's description, remember the ID number is 10 for the next step:
6. Try to run a GET by ID, use 10: