Pre-requisites:
.Net Core 2.1

Visual Studio 2015 or 2017

Operating Systems:

- Windows 7 SP1
- Windows 8.1
- Windows 10

Used Technologies:

TechAppTest - .Net Core 2.1

TechAppTest.Api - .Net Core 2.1

TechAppTest.Business - .Net Core 2.1

UI Framesworks
bootstrap v3.0.0

jquery-1.10.2

How to Use:
1. Open Visual Studio (Ensure .Net Core 2.1 SDK is installed)

2. Build the solution.

3. Click on Start button in the visual, it opens the Index.cshtml page to input the name and the number details.

4. Enter name and the number in the input box. It will display the result below the Submit button.

5. If the Invalid input is provided in the Number field, it will throw the error message in the screen.

How it is developed:
- The solution is developed using .Net core 2.1 in Visual studio 2017

- It is build using multiple projects
- It contains 3 projects, TechAppTest, TechAppTest.Api, TechAppTest.Business.
- It has 2 start-up projects TechAppTest and TechAppTest.Api.
- When we run the solution, Index.cshtml page will be opened by default
- When the user enters inputs in the Index.cshtml page, the ajax-request will make through custom.js to the CurrencyConverter controller in TechAppTest.Api project setup.
- In TechAppTest.Api, we are consuming the business logic from NumberToCurrency.cs in TechAppTest.Business project through dependency injection mechanism.
- The response will be returned to the ajax request and displayed the result.

Screenshots:

Number Tech Test

InputName

John Smith

InputNumber

-123.456

Submit

John Smith

NEGATIVE ONE HUNDRED AND TWENTY---FOUR DOLLARS AND FORTY---FIVE CENTS

Number Tech Test

InputName

John Smith

InputNumber

test string input

Submit

Enter a valid number