Sales Tax Calculator API

Purpose of the API

To calculate Sales Tax for a Product / Item Price Purchased at specific Zip Code (NC)

Inputs for the API

1. Price
2. ZipCode

Output from API

1. SalesTax
2. PriceWithTax

Assumptions

Data reference from <https://www.salestaxhandbook.com/data>

SalesTax will be based on price against StateRate, CountyRate, CityRate, SpecialRate. Even though we have CombinedRate(sum of the rate mentioned earlier) which is available to calculate for the purpose of the application taken into account remaining rates

Based on the sample data available in above mentioned website. Created a json file which will be used as data store for this sample application.

Out of scope for this application –

We can still look out for maintaining data in any file (Excel, CSV) or db.

Right now the dataset is small but once the entire data is available, we can use that for application.

Project / Application Structure

1. SalesTaxCalculator - API Project
2. SalesTaxCalculatorUnitTests – Unit Tests Project

**Postman** test collection added in the project. To run locally please change port number

http://localhost:yourportnumber /TaxCalculator/CalculateTax

Document Added in the Project

Added **Swagger** Documentation – Visit http://localhost: yourportnumber /index.html

TEST CASES FROM POSTMAN

Validating by comparing the website with same inputs











