The SalesTaxConsoleAppAug28 project contains the following sub-projects:

ConsoleApptaxHelper

UnitTestProjectTaxAPI

**ConsoleApptaxHelper**

Within the ConsoleApptaxHelper project, there is a class called TaxHelper. The TaxHelper class uses the System.Configuration assembly to reference the API Key stored in App.config.

TaxHelper class contains the following two methods:

GetRateByZipCode

calculateTax

*GetRateByZipCode* – Below are the parameters that are passed to this method:

zipCode, countryCode, city

This method returns the combined rate for the zip codes in the US, and any other country e.g. Canada.

*calculateTax* -Below are the parameters that are passed to this method:

from\_country, from\_zip, from\_state, from\_city, from\_street, to\_country, to\_zip, to\_state, to\_city, to\_street, amount, shipping

This method calculates the tax for an order.

**UnitTestProjectTaxAPI**

Within the UnitTestProjectTaxAPI, there is a class called UnitTests. The TaxHelper class uses the System.Configuration assembly to reference the API Key stored in App.config.

Both GetRateByZipCode and calculateTax methods are tested using this class, and the two unit tests have been successful.