Test Instructions

Setup Runtime

1. Clone the repository (https://github.com/chris-przybycien/Customers.git) into a local directory
2. Open the directory that the source was cloned into.
3. Open the solution file AlintaCustomerApi.sln – Note: Solution was built in VS2017.
4. Once solution is loaded, in the VS menu, click on 'Debug', and then select 'Start Without Debugging' to run the API, alternatively, click Ctrl+F5 to run the API.
5. On start-up of the API, the swagger page will be loaded.

Running Unit Tests

1. With the solution open, in the VS menu, click on 'Test', and then select 'Windows' and then click on 'Test Explorer'.
2. In the Test Explorer window, click on 'Run All'. This will build the solution and then run the unit tests, outputting the results in the Test Explorer window

Testing Methods

An API testing tool like Postman should be used to run the following API methods, however GET methods can be run in a web browser. Please refer to the swagger documentation (https://localhost:[IISExpressPort#]/swagger/index.html) for request details.

Get Customers

URL: https://localhost:[IISExpressPort#]/api/customer

Request method: GET

To get the entire list of customers in the database, load the URL in web browser or in an API testing tool. The response body will contain either a list of customer objects or a 404 response object.

Add Customer

URL: https://localhost:[IISExpressPort#]/api/customer

Request method: POST

To add a customer to the database, you will need to load the URL in an API testing tool. In the body of the request you will need to supply a customer request object with FirstName, LastName and DateOfBirth. In the response body you will receive the newly added customer object with the respective ID of that new customer.

Edit Customer

URL: https://localhost:[IISExpressPort#]/api/customer/{Id}

Request method: PUT

To update a customer in the database, you will need to load the URL in an API testing tool. The ID of the customer will need to be supplied in the URL. The Get Customers method can be used to find the id of the customer to be updated. In the body of the request you will need to supply a customer request object with FirstName, LastName and DateOfBirth. In the response body you will receive the updated customer object. If the customer id cannot be found, you will receive a 404 response object.

Delete Customer

URL: https://localhost:[IISExpressPort#]/api/customer/{Id}

Request method: DELETE

To delete a customer in the database, you will need to load the URL in an API testing tool. The ID of the customer will need to be supplied in the URL. The Get Customers method can be used to find the id of the customer to be deleted. If the delete was successful, you will receive a 200 response and an empty body. If the customer cannot be found, you will receive a 404 response object

Search Customers

URL: https://localhost:[IISExpressPort#]/api/customer/search/{searchTerm}

Request method: GET

To search for a customer, you will need to load the URL in an API testing tool, or a web browser. Use a search term (eg Joe) at the end of the URL path to search the database for any customers with a first or last name which contain the search term. If matches are found, you will receive a list of matching customer objects, else, if no match is found, you will receive a 404 response object.