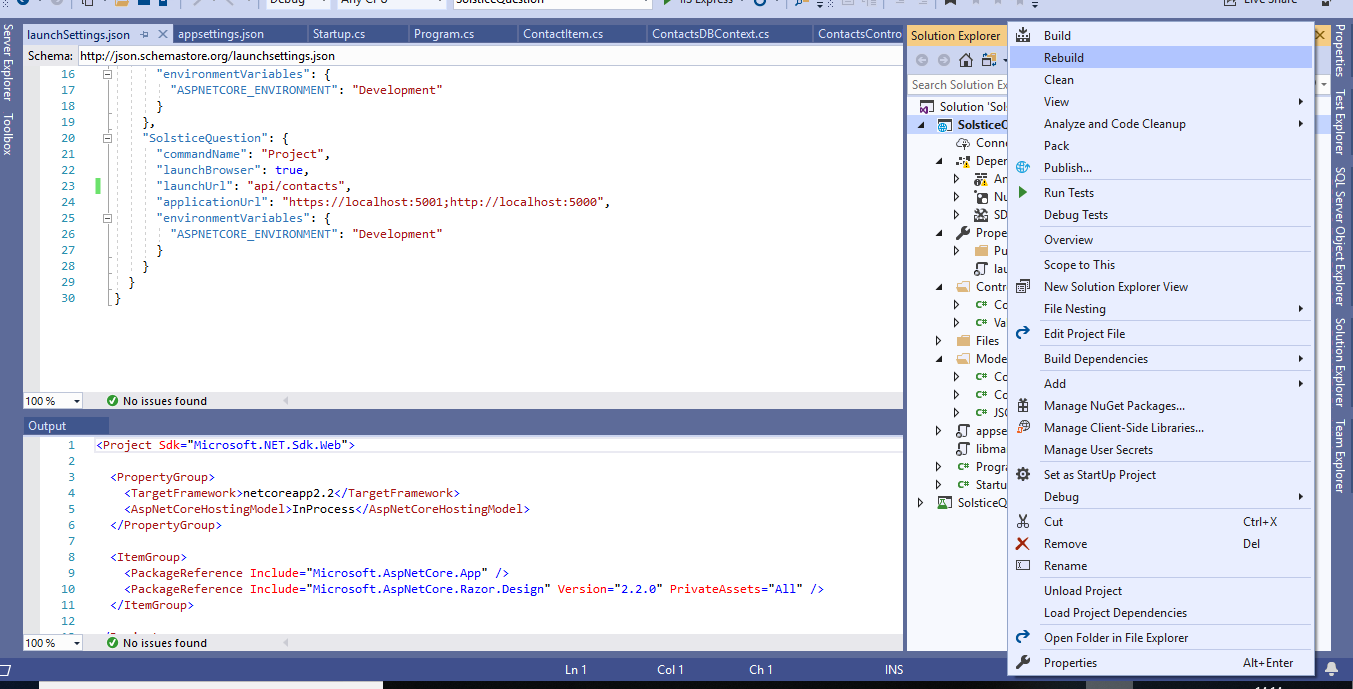
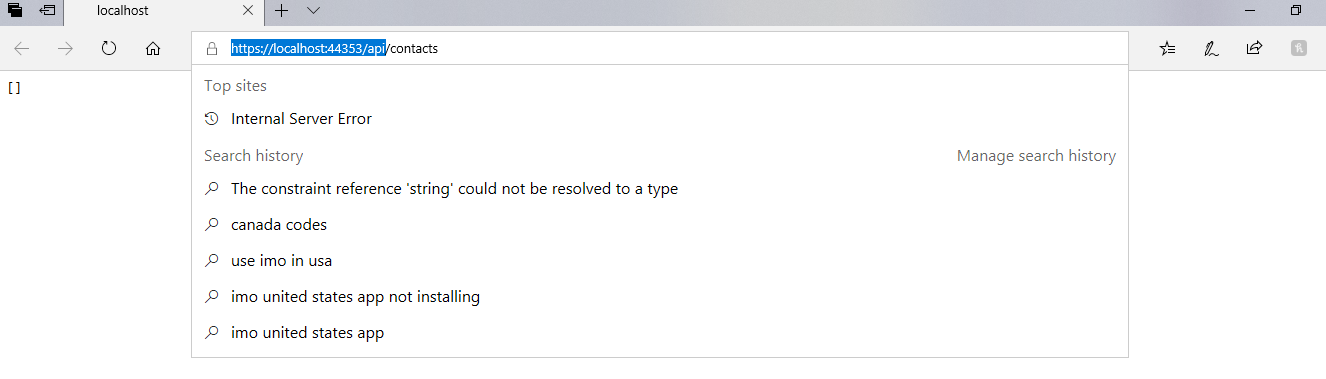
Instruction to run the project locally->

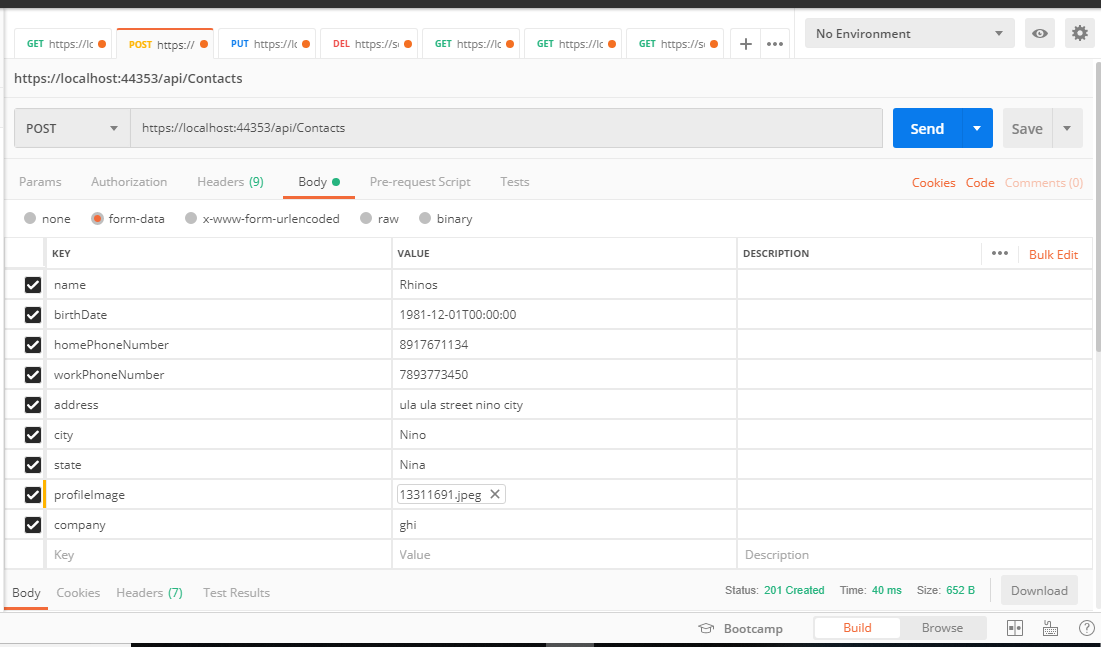
1. Rebuild the Visual Studio Solution -> Solstice Question



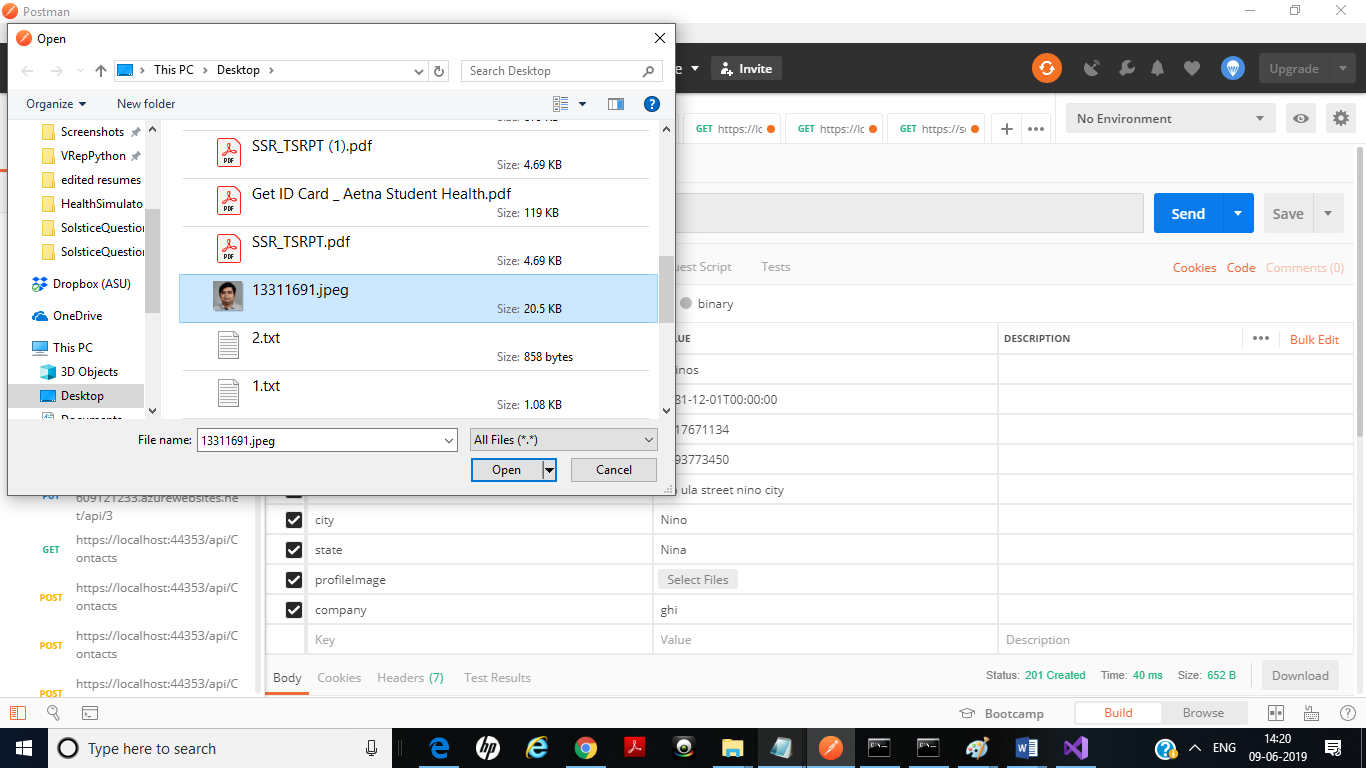
1. Open the project SolsticeQuestion and press Ctrl + f5. A browser window should open. Please take the URI from the browser window.



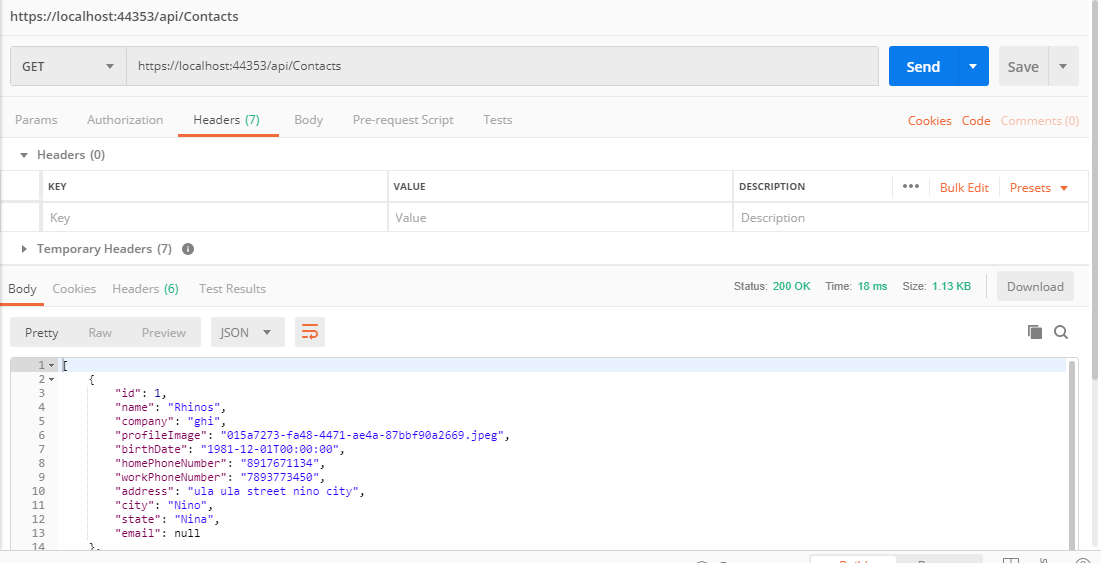
1. Install Postman toll to test this API properly.
2. Once Postman is installed take the URI found in the browser in step b + add “api/contacts” and start a post request in Postman.
3. Add different data as per its correct datatype. Make sure to enter Date in the given format.



1. Change the type of key to file in postman and upload the profile image as shown in figure below.
2. After filling all the data and uploading the image press send.



1. Now change the HTTP request type in Postman to get to see if the data was saved into DB.
2. Press send and then the newly entered data item shows up.



Note : The Database used in the local solution is in memory type because I did not wanted the tester to spent time in configuring DB Sql Connection string.

But If he/she want to they can do that by changing a line of code and rebuilding the solution.

In Startup.cs

Following lines have been commented out

////Azure has been configured with the following COnnection

//string Connection = @"Data Source=tcp:solsticequestion20190609121233dbserver.database.windows.net,1433;Initial Catalog=SolsticeQuestion20190609121233\_db;User Id=sqladmin@solsticequestion20190609121233dbserver;Password=Adi47123";

//services.AddDbContext<ContactsDBContext>(opt =>opt.UseSqlServer(Connection));

And following line works

//// To Test Locally

services.AddDbContext<ContactsDBContext>(opt =>opt.UseInMemoryDatabase("ContactsDB"));

To make your local DB work. Just run the Dbdesign.sql present inside Db folder in your local DB and in Uncomment the first two lines and comment out the InmemeoryDatabase line and then include the connection to this database.

I have done this configuration in azure.

**Different URI for different services ->**

NOTE:- Use the primary server url + the below url to access each of the API

Create a contact record -> /api/Contacts -> Post request

Retrieve a contact record -> /api/Contacts/id -> Get request

Update a contact record -> /api/Contacts/id -> Put request

Delete a contact record -> /api/Contacts -> Delete request

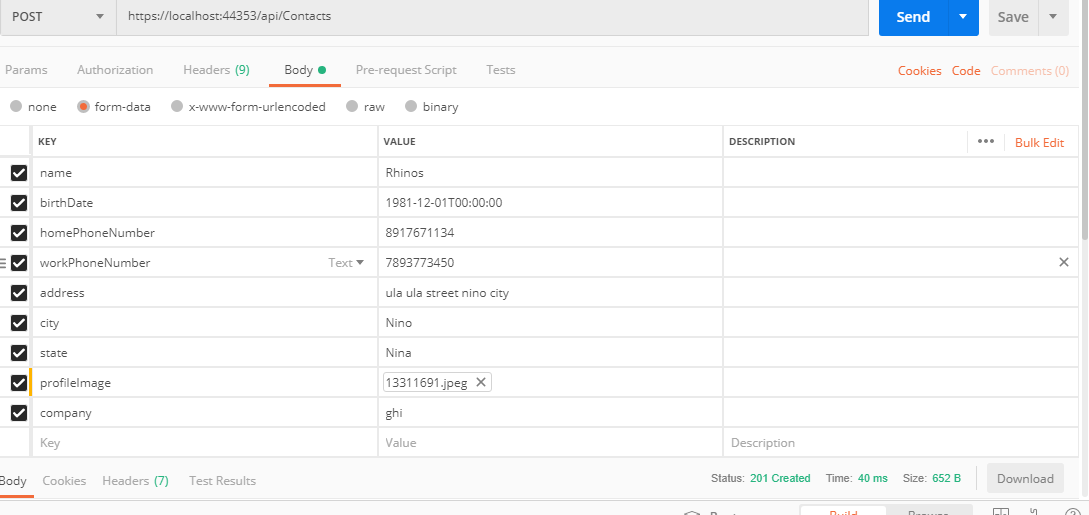
Retrieve all Contacts -> /api/Contacts -> Get request

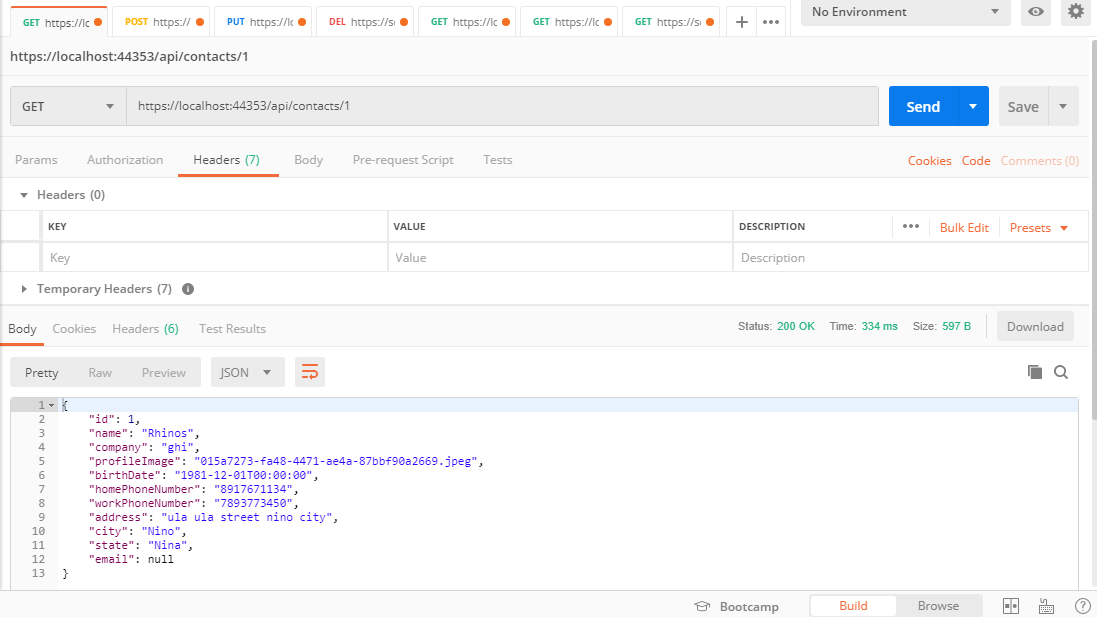
Search for a record by email or phone number -> /api/Contacts/byemailorphone?email=a&phone=b

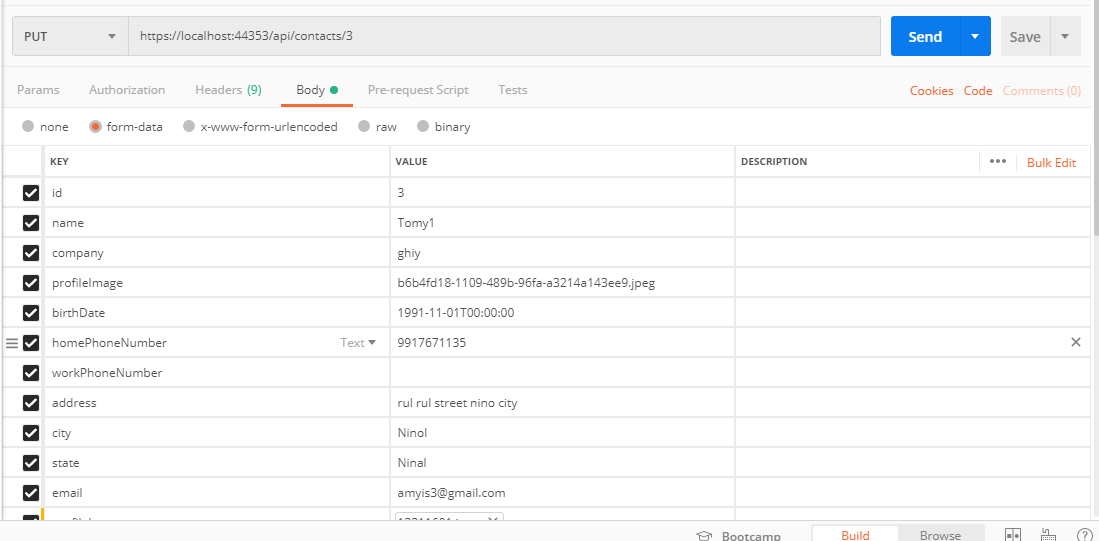
Search by State -> /api/Contacts/bystate?state=a

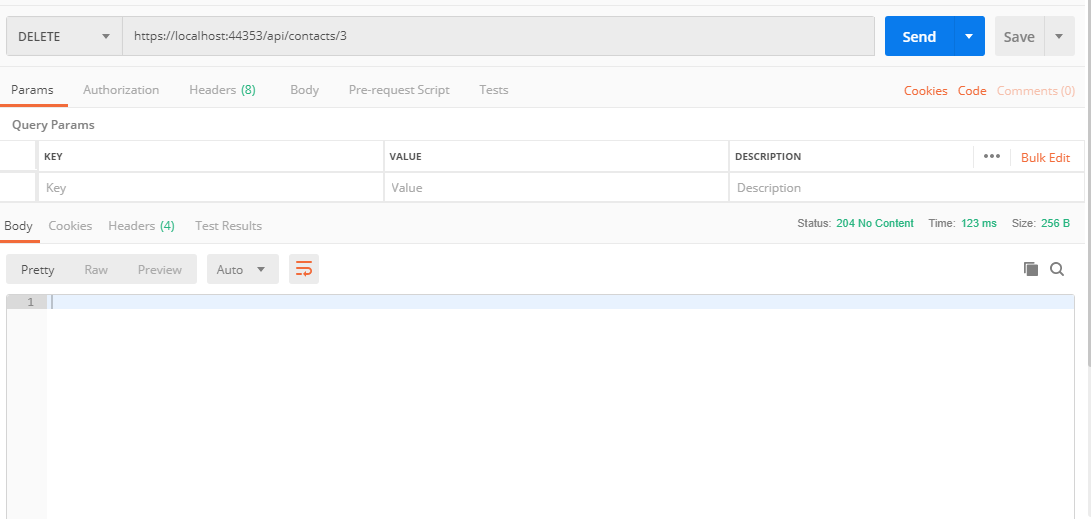
Search by City -> /api/Contacts/bycity?city=a

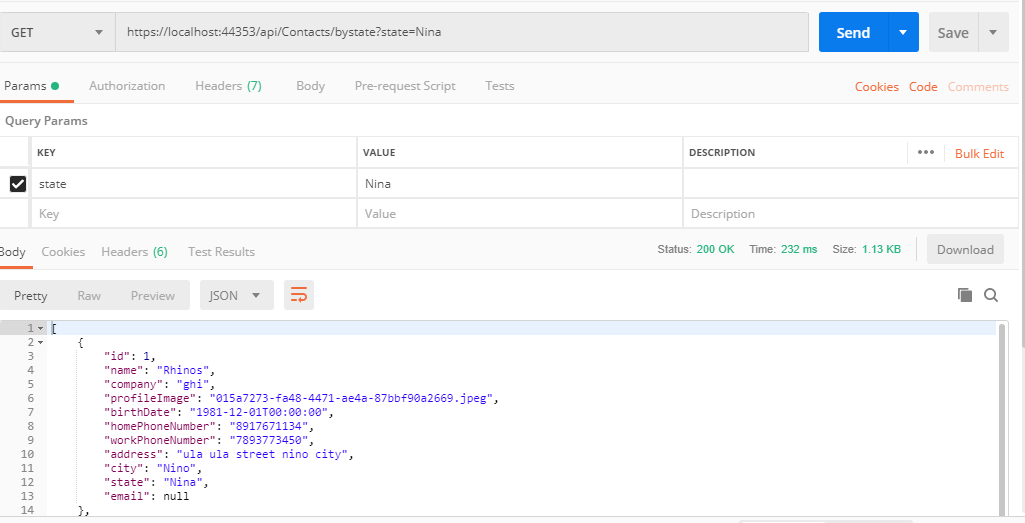
Screenshots for each of the service below in postman

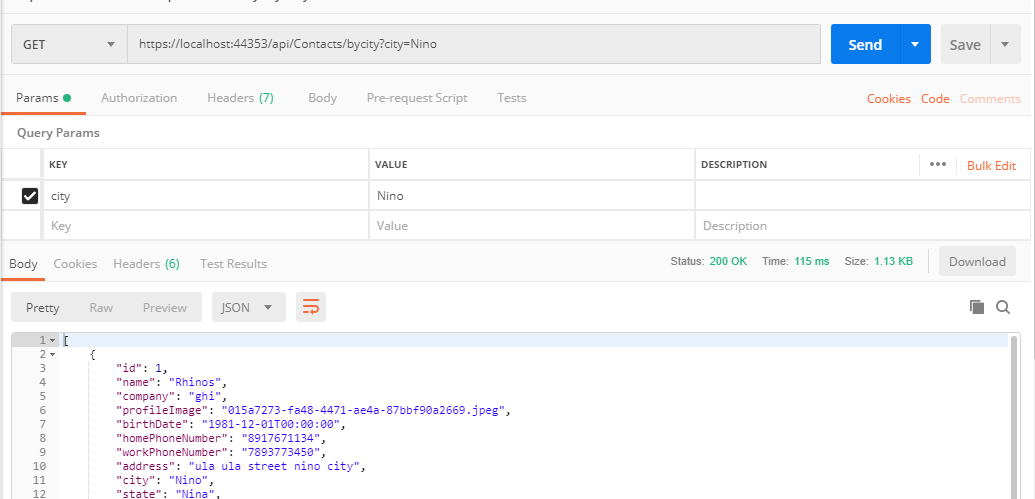


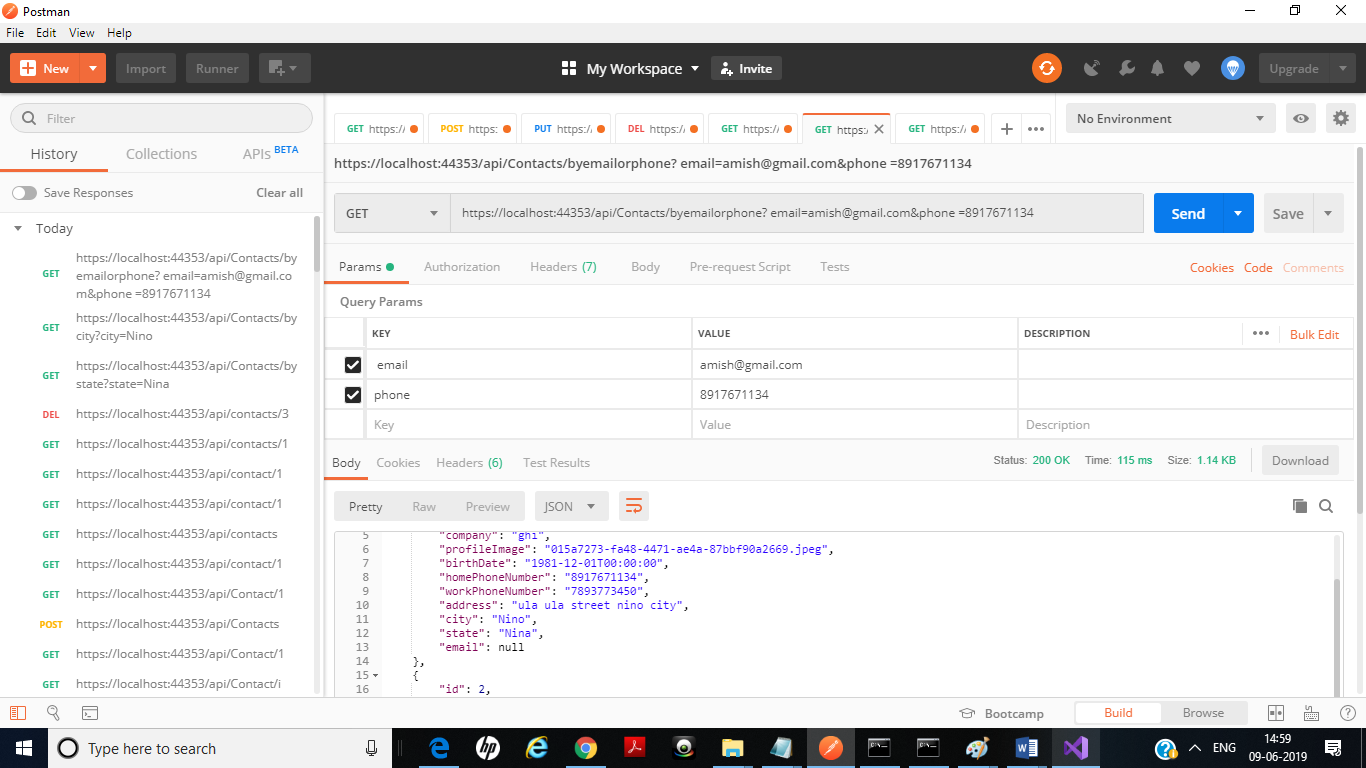












**Azure URL**

The services are deployed to Azure at the URI <https://solsticequestion20190609121233.azurewebsites.net/>

Please use this URI in combination with respected API Url to access the necessary functionalities. I have deployed some dummy data into Azure as well.

**Unit Test**

To Run unit tests just build the unit test project and rebuild and then run the tests from test explore. Currently only available for two controller endpoints.