**Demo.Api target framework :** .NET Core 2.1

**Authentication:**

Through <https://localhost:44335/api/login> with shared username and password.

If the credential matches, a JWT Token will be returned. This token will be used to access contact controller.

**Restful API:**

**Create & Update a contact record** : If userID = 0 then create new, otherwise update.

[HttpPost] [https://localhost:44335/api/contact VM.Contact](https://localhost:44335/api/contact%20VM.Contact) would be in Body.

**Retrieve a contact record** :

[https://localhost:44335/api/contact/{userID}](https://localhost:44335/api/contact/%7buserID%7d)

return Json:

{"userID":"1","firstName":"Test 1","lastName":"Demo","company":{"companyID":1,"companyName":"Google"},"email":null,"birthDate":"0001-01-01T00:00:00","workPhone":null,"homePhone":"8472203453","address":{"addressID":1,"address1":"123 Good Place","address2":null,"city":"Big City","state":"IL","postalCode":"23456"},"imageFileUrl":"www.google.com/image/32168"}

**Delete a contact record** :

[HttpDelete("{UserID}")]

**Search for a record by email or phone number**

https://localhost:44335/api/contact/search/?email={email}&phonenumber={phonenumber}

**Retrieve all records from the same state or city**

[https://localhost:44335/api/contact/getcontacts/?state={state}&city={city}](https://localhost:44335/api/contact/getcontacts/?state=%7bstate%7d&city=%7bcity%7d)

**Test Case:** passed as below.

