**Contact Information System:**

This application maintain contact details like First Name, Last Name, Email, Phone Number and status of contact.

**Application Functionality:**

- List contacts

- Add a contact

- Edit contact

- Delete

**Contact model fields:**

- First Name

- Last Name

- Email

- Phone Number

- Status (Values: Active/Inactive)

**Prerequisites:**

- Application required Visual Studio 2015 and .Net Framework 4.5.2.

- IIS to host the Rest API

**Installing:**

Application contain four projects:

1. ContactDataHelper
2. ContactDataModel
3. ContactsRestApi
4. ContactUserInterface

Need to create virtual directory in IIS for project “ContactsRestApi”. The project URL: <http://localhost/ContactsRestApi> so that virtual directory will be create with name “ContactsRestApi”.

Please refer below step to create virtual directory:

1. Right click on “ContactsRestApi” project.
2. Select “Web” option.
3. Select “Local IIS” option from the dropdown
4. Use “http://localhost/ContactsRestApi” as a project URL
5. Click on “Create Virtual Directory” button.

Application run time create the XML file on “D” drive to maintain application data.

**Application architectural and implementation:**

Application contain four projects:

1. ContactDataHelper: It save the application data in XML file using Xml serializer.
2. ContactDataModel: Created the Separate project for model so that it will be use another applications.
3. ContactsRestApi: Create the Rest API to save the data. To maintain the data API create the XML on “D” drive. The XML creation path configured in web.config file in “appSettings”.
4. ContactUserInterface: Create the MVC project to consume Rest API. API virtual directory path configured in web.config file in “appSettings”.