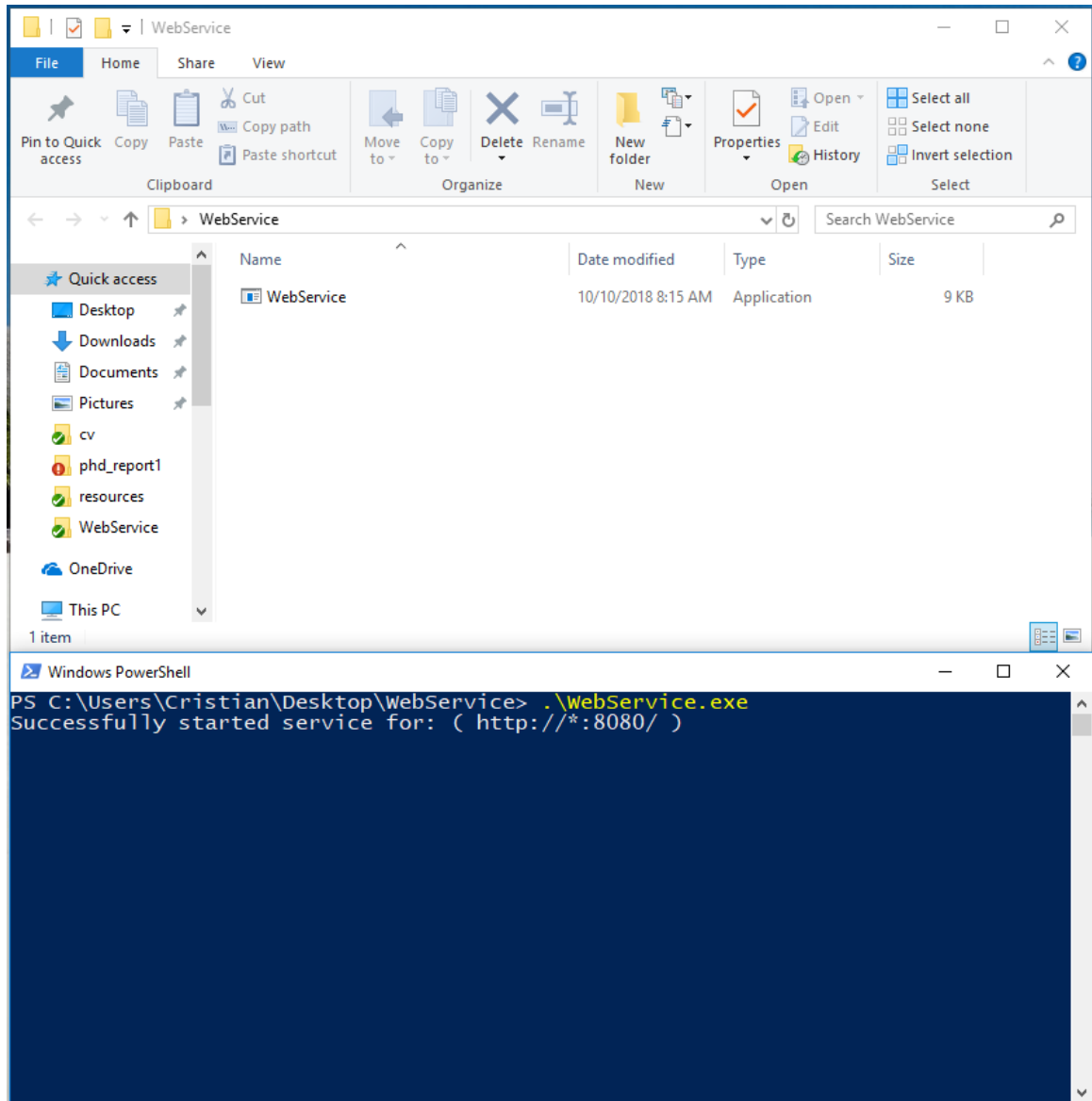


# Readme

## 1. How to run the application locally

- 1) Download and extract the WebService.exe file from the release archive on GitHub
- 2) Open CMD or PowerShell and run the WebService.exe from command line as in the picture below:



**Note:** the service may be started for a different port as well.  
In case you receive the error message in the picture below:

```
Windows PowerShell
PS C:\Users\Cristian\Desktop\WebService> .\WebService.exe 9090
Exception occurred: System.Net.HttpListenerException (0x80004005): Access is denied
    at System.Net.HttpListener.AddAllPrefixes()
    at System.Net.HttpListener.Start()
    at WebService.EmailNameController.StartListening()
```

Either open PowerShell as Administrator and try starting the service again or run the command below for the desired port number:

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\WINDOWS\system32> netsh http add urlacl url="http://*:8080/" user=everyone

URL reservation successfully added

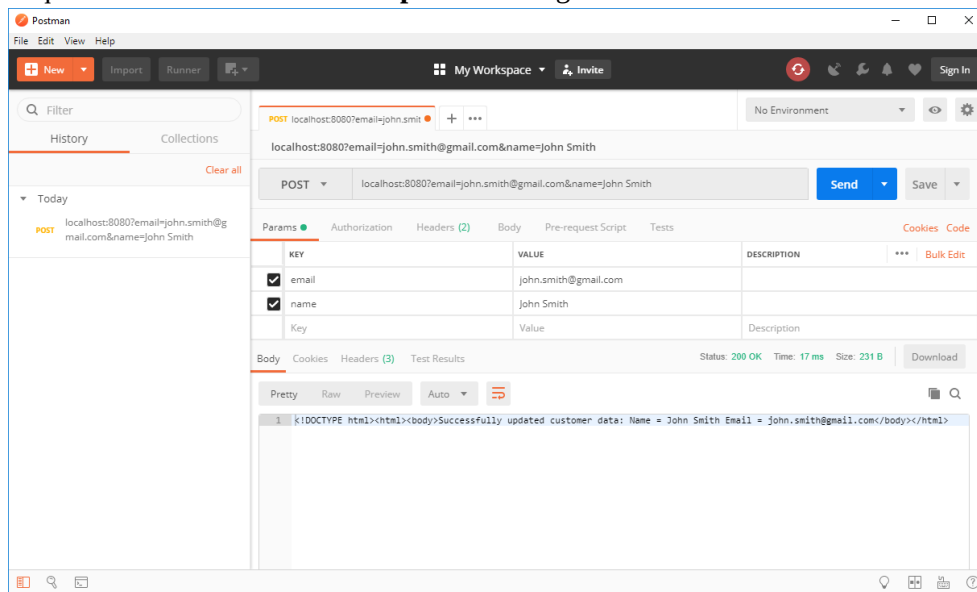
PS C:\WINDOWS\system32>
```

- 3) Now the service should accept HTTP requests

## 2. Web service requests

In order to test the service I used a third party application to build HTTP requests.

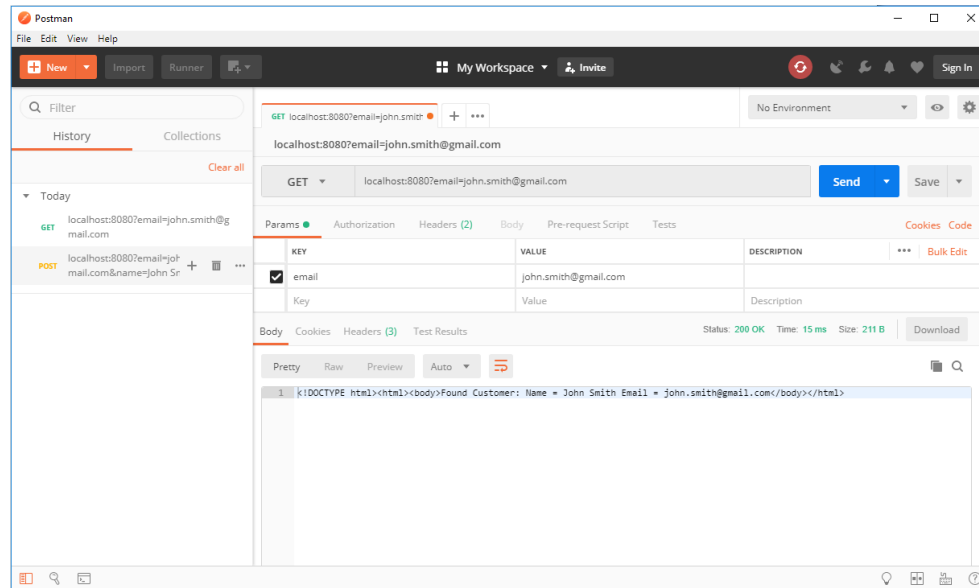
- 1) Request to **Insert** new client or **Update** existing client:



The **Insert** new client or **Update** is a HTTP POST request with two parameters:

- email – Unique Id of the customer
- name

2) Request to **Select** client information:



The **Select** is a HTTP GET request with the following parameter:

- email – Unique Id of the customer

Example:

`http://localhost:8080?email=john.smith@gmail.com`

This request should also work from any web browser as well:

