Project url: https://localhost:44321/

Login:

Take the token from the response that was created by login request and write it to Authorization – Type : Bearer Token – Token Area

I gave the admin role to test@test.com account which has pasword "test123".

Request Samples:

HttpGet – api/Contacts (Returns all contacts)

HttpGet – api/Contacts/{objectId} ((FromRoute) Returns the contact which has the given unique object id)

| GET | ∨ | https://localhost:44321/api/Contacts/61979f259c61c573bdc69d3a | | Send ∨ |

Params   Authorization ●   Headers (9)   Body ●   Pre-request Script   Tests   Settings   Cookies

Type

Bearer Token ∨

Token

eyJhbGciOiJodHRwOi8vd3d3LlnczLm9yZy8…

The authorization header will be automatically generated when you send the request. Learn more about authorization ↗

Body   Cookies   Headers (5)   Test Results   Status: 200 OK   Time: 144 ms   Size: 340 B   Save Response ∨

Pretty   Raw   Preview   Visualize   JSON ∨

```
 1   {
 2       "name": "İrem",
 3       "lastName": "Çalışkan",
 4       "firm": "Xtanbul",
 5       "information": {
 6           "phoneNumber": "12345678912",
 7           "mail": "iremcaliskan0@gmail.com",
 8           "location": "İstanbul"
 9       }
10   }
```

HttpPost – api/Contacts (Takes a model from body)

https://localhost:44321/api/Contacts   Save ∨   ✎ ▤

| POST | ∨ | https://localhost:44321/api/Contacts | | Send ∨ |

Params   Authorization ●   Headers (9)   Body ●   Pre-request Script   Tests   Settings   Cookies

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   JSON ∨   Beautify

```
 1   {
 2       "name": "Demo Contact Name",
 3       "lastName": "Demo Contact Surname",
 4       "firm": "Demo Contact Firm",
 5       "information": {
 6           "phoneNumber": "Demo Contact Phone Number",
 7           "mail": "Demo Contact Mail",
 8           "location": "Demo Contact Location"
 9       }
10   }
```

Body   Cookies   Headers (4)   Test Results   Status: 200 OK   Time: 3.87 s   Size: 135 B   Save Response ∨
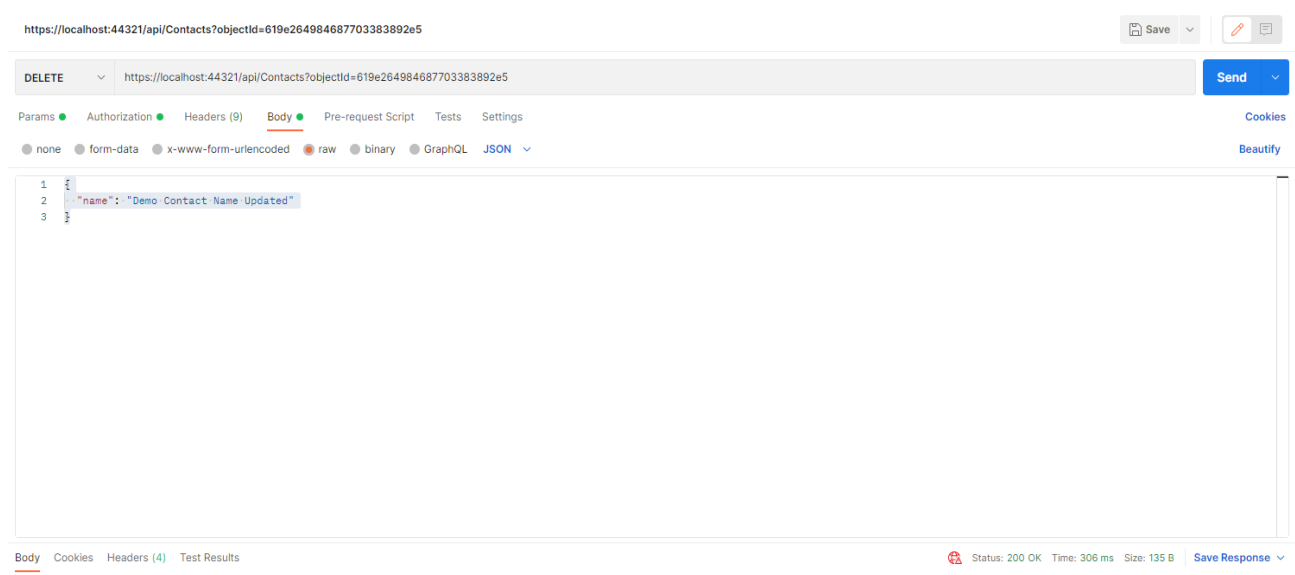
Pretty   Raw   Preview   Visualize   Text ∨

```
 1
```

HttpPut – api/Contacts?objectId={objectId} (Takes a objectId from query and also takes a model from body to update entity)
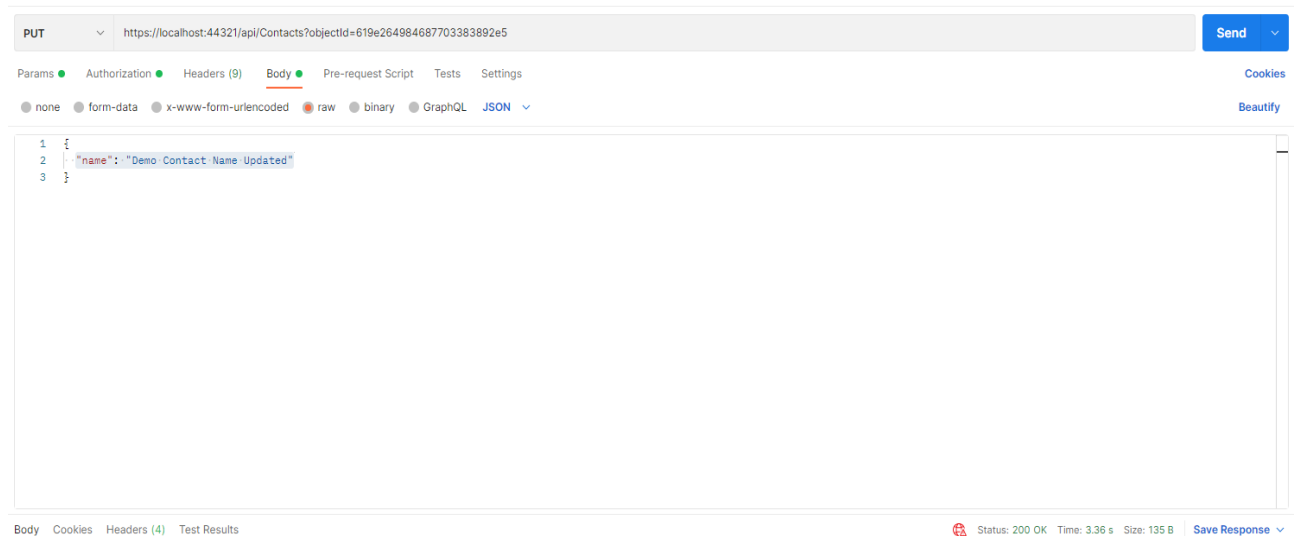

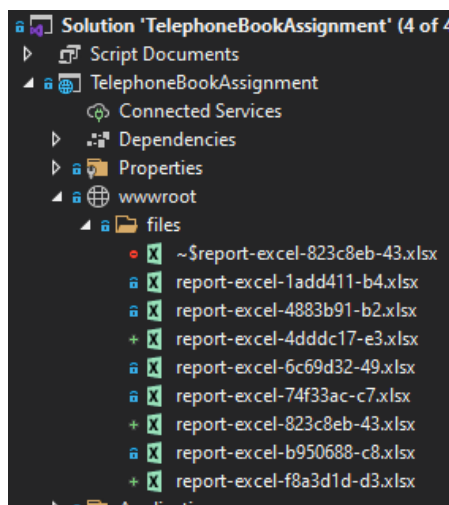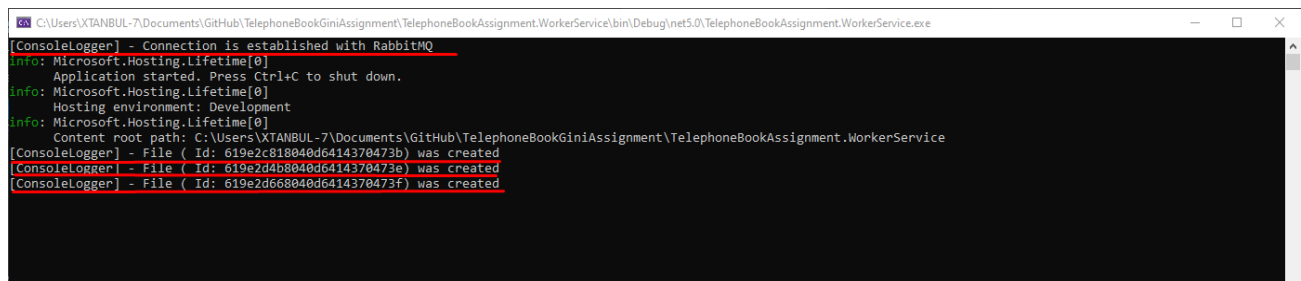HttpDelete – api/Contacts?objectId={objectId} (Takes a objectId from query to delete entity)

I gave the access token expiration 15 minutes. 15 minutes after logging in, it will give a 401 error due to token expiration, re-login must be made. A solution to this can be found in the future by using the Refresh token structure.

In order to generate the report, the report created in my scenario keeps the creation status along with which user requested it, the file name, the path of the file with the extension, the date of request and creation.

To create report: HttpGet – api/reports/createExcel (It is a secured method, a login must be made.)
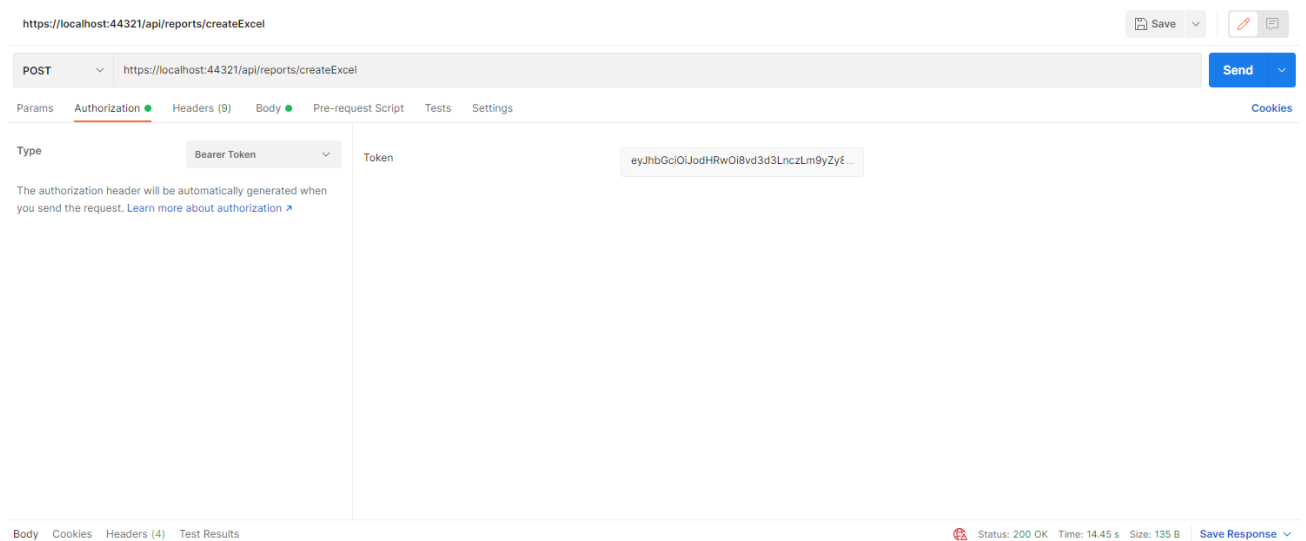
After the Response's OK, a message is sent to RabbitMQ and at the same time real-time notification is sent by SignalR to User, the WorkerServer connected to RabbitMQ listens to the related queue, receives the incoming message and processes it. It creates the Excel file and also requests to the Upload endpoint in Reports Controller, saves the file to the relevant folder and saves the saved path, save created date, and save status to the database. It also finishes off by sending a real-time saved notification

.

To see the reports that the logged in user has created so far:

HttpGet – api/reports

```
62      {
63          "userId": "619cd65bcc41e6caa737c2a4",
64          "fileName": "report-excel-f8a3d1d-d3",
65          "filePath": "report-excel-f8a3d1d-d3.xlsx",
66          "requestedDate": "2021-11-24T12:17:15.868Z",
67          "completedDate": "2021-11-24T12:18:24.606Z",
68          "fileStatus": 1,
69          "objectId": {
70              "timestamp": 1637756235,
71              "machine": 8405206,
72              "pid": 16707,
73              "increment": 7358270,
74              "creationTime": "2021-11-24T12:17:15Z"
75          }
76      },
77      {
78          "userId": "619cd65bcc41e6caa737c2a4",
79          "fileName": "report-excel-4dddc17-e3",
80          "filePath": "report-excel-4dddc17-e3.xlsx",
81          "requestedDate": "2021-11-24T12:17:42.35Z",
82          "completedDate": "2021-11-24T12:18:30.985Z",
83          "fileStatus": 1,
84          "objectId": {
85              "timestamp": 1637756262,
86              "machine": 8405206,
87              "pid": 16707,
88              "increment": 7358271,
89              "creationTime": "2021-11-24T12:17:42Z"
```