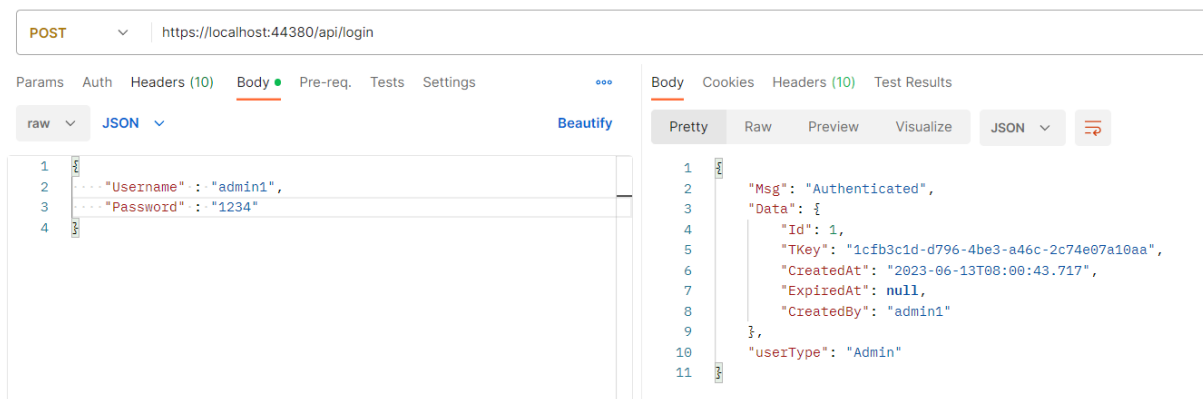The project is done by following code-first approach. If the SQL file not worked, just migrate and seed using commands.

Login to the system as admin: POST

Returns invalid if wrong credentials are provided. If correct, then will return a token. If the user already has token, it will return the existing token.

/api/login   ,,,,   /api/logout

In courier controller, all API endpoints require admin access. *AdminAccess* token will pass through the *Authorization* header.

List of all courier info: GET

/api/courier/all by default it will return 10 items per page and page 1.

/api/courier/all?pagenumber=3 by default it will return 10 items per page and the mentioned page number.

/api/courier/all?pagenumber=3&pagesize=12 custom page size will support max 15 items per page.

Search-

/api/courier/all?search=17 ,,,,,,,, /api/courier/all?pagenumber=3&pagesize=2&search=17
it will fetch all couriers data by ConsignmentNo which has a sequence of 17

Insert a new courier to the system: POST

/api/courier/add   by default the status will be set as "Processing"

POST | https://localhost:44380/api/courier/add

Params Auth Headers (10) Body ● Pre-req. Tests Settings

raw JSON Beautify

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```json
{
    "CustomerInfo": {
        "SenderName": "testing",
        "SenderMobile": "test",
        "SenderAddress": "test",
        "ReceiverName": "test",
        "ReceiverMobile": "test",
        "ReceiverAddress": "test"
    },
    "ParcelType": "test",
    "Weight": 7,
    "ShippingCost": 7,
    "CurrentLocation": "test",
    "FromLocation": "test",
    "Destination": "test",
    "ETA": 3
}
```

```json
{
    "Msg": "Inserted",
    "Data": {
        "CustomerInfo": {
            "ConsignmentNo": 0,
            "SenderName": "testing",
            "SenderMobile": "test",
            "SenderAddress": "test",
            "ReceiverName": "test",
            "ReceiverMobile": "test",
            "ReceiverAddress": "test"
        },
        "ConsignmentNo": 0,
        "ParcelType": "test",
        "Weight": 7,
        "ShippingCost": 7,
        "PlacingDate": "0001-01-01T00:00:00",
        "DeliveryDate": null,
        "CurrentLocation": "test",
        "FromLocation": "test",
        "Destination": "test",
        "ETA": 3,
        "Status": null
    }
}
```

Get a courier by the ConsignmentNo : GET

/api/courier/203

Modify or Edit an existing courier: PUT

/api/courier/203

PUT | https://localhost:44380/api/courier/203

Params Auth Headers (10) Body ● Pre-req. Tests Settings

raw JSON Beautify

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```json
{
    "CustomerInfo": {
        "ConsignmentNo": 203,
        "SenderName": "test2",
        "SenderMobile": "test2",
        "SenderAddress": "test2",
        "ReceiverName": "test2",
        "ReceiverMobile": "test2",
        "ReceiverAddress": "test2"
    },
    "ConsignmentNo": 203,
    "ParcelType": "test12",
    "Weight": 7,
    "ShippingCost": 7,
    "PlacingDate": "2023-06-13T13:18:03.727",
    "DeliveryDate": "2023-06-17",
    "CurrentLocation": "test2",
    "FromLocation": "test2",
    "Destination": "test2",
    "ETA": 32,
    "Status": "Processing222"
}
```

```json
{
    "Msg": "Updated",
    "Data": {
        "CustomerInfo": {
            "ConsignmentNo": 203,
            "SenderName": "test2",
            "SenderMobile": "test2",
            "SenderAddress": "test2",
            "ReceiverName": "test2",
            "ReceiverMobile": "test2",
            "ReceiverAddress": "test2"
        },
        "ConsignmentNo": 203,
        "ParcelType": "test12",
        "Weight": 7,
        "ShippingCost": 7,
        "PlacingDate": "2023-06-13T13:18:03.727",
        "DeliveryDate": "2023-06-17T00:00:00",
        "CurrentLocation": "test2",
        "FromLocation": "test2",
        "Destination": "test2",
        "ETA": 32,
        "Status": "Processing222"
    }
}
```

Delete a courier by its ConsignmentNo: DELETE

/api/courier/203

Change status to "On the way": PUT

/api/courier/shipped/203

Change status to "Delivered": PUT

/api/courier/delivered/203

Change current location e.g. traveled from one hub to another: PUT

/api/courier/receivedBy/203/Mirpur

Report of the project: GET

/api/report/status

(Report requirements for this task is not fully clear to me. However, the link will generate a report on-
1. Total consignment count for current month
2. Total revenue/shipping cost for current month
3. Shipment counts that is not delivered in total
4. Total successfully delivered shipment in current month)

Generate a receipt as PDF for the customer: GET

/api/courier/printReceipt/203

Shipper or Receiver can track & see info of their parcel anonymously: GET

/api/courier/203

GET   https://localhost:44380/api/courier/203

Headers ✓

Headers 👁 8 hidden

	Key	Value	Desc	ooo	Bulk E
⠿ ☐	Autho...	1cfb3...			
☐	UserID	1			
	Key	Value	Description		

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON ⌄

```json
{
    "Data": {
        "CustomerInfo": {
            "ConsignmentNo": 203,
            "SenderName": "test2",
            "SenderMobile": "test2",
            "SenderAddress": "test2",
            "ReceiverName": "test2",
            "ReceiverMobile": "test2",
            "ReceiverAddress": "test2"
        },
        "ConsignmentNo": 203,
        "ParcelType": "test12",
        "Weight": 7,
        "ShippingCost": 7,
        "PlacingDate": "2023-06-13T13:18:03.727",
        "DeliveryDate": "2023-06-13T13:33:02.617",
        "CurrentLocation": "Mirpur",
        "FromLocation": "test2",
        "Destination": "test2",
        "ETA": 32,
        "Status": "Delivered"
    }
}
```