

Dotnet Final Assessment:

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Github repo: <https://github.com/LeonAngelit/FinalDotNetAssessment>

Database creation query:

We also created a controller to automatically generate de database

```
18 CREATE DATABASE IF NOT EXISTS dotnet_final;
19
20 --
21 -- Table structure for table `claims`
22 --
23
24 DROP TABLE IF EXISTS `claims`;
25 /*!40101 SET @saved_cs_client      = @@character_set_client */;
26 /*!50503 SET character_set_client = utf8mb4 */;
27 CREATE TABLE `claims` (
28   `Id` int NOT NULL AUTO_INCREMENT,
29   `Description` varchar(45) DEFAULT NULL,
30   `Status` varchar(45) DEFAULT NULL,
31   `Date` datetime DEFAULT NULL,
32   `VehicleId` int DEFAULT NULL,
33   PRIMARY KEY (`Id`),
34   KEY `Id_idx` (`VehicleId`),
35   CONSTRAINT `Id` FOREIGN KEY (`VehicleId`) REFERENCES `vehicles` (`Id`) ON DELETE CASCADE ON UPDATE CASCADE
36 ) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
37 /*!40101 SET character_set_client = @saved_cs_client */;
38
```

```
DROP TABLE IF EXISTS `owners`;
/*!40101 SET @saved_cs_client      = @@character_set_client */;
/*!50503 SET character_set_client = utf8mb4 */;
CREATE TABLE `owners` (
  `Id` int NOT NULL AUTO_INCREMENT,
  `FirstName` varchar(45) DEFAULT NULL,
  `LastName` varchar(45) DEFAULT NULL,
  `DriverLicense` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`Id`)
) ENGINE=InnoDB AUTO_INCREMENT=9 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
/*!40101 SET character_set_client = @saved_cs_client */;
```

```
79 DROP TABLE IF EXISTS `vehicles`;
80 /*!40101 SET @saved_cs_client      = @@character_set_client */;
81 /*!50503 SET character_set_client = utf8mb4 */;
82 CREATE TABLE `vehicles` (
83   `Id` int NOT NULL AUTO_INCREMENT,
84   `Brand` varchar(45) DEFAULT NULL,
85   `Vin` varchar(45) DEFAULT NULL,
86   `Color` varchar(45) DEFAULT NULL,
87   `Year` int DEFAULT NULL,
88   `Owner_Id` int DEFAULT NULL,
89   PRIMARY KEY (`Id`),
90   KEY `owner_idx` (`Owner_Id`),
91   CONSTRAINT `owner` FOREIGN KEY (`Owner_Id`) REFERENCES `owners` (`Id`) ON DELETE CASCADE ON UPDATE CASCADE
92 ) ENGINE=InnoDB AUTO_INCREMENT=8 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci;
93 /*!40101 SET character_set_client = @saved_cs_client */;
94
```

Limit to 1000 rows

```
1 • SELECT * FROM dotnet_final.claims;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Id	Vehicle_Id	Description	Status	Date
NULL	NULL	NULL	NULL	NULL

OWNERS

Limit to 1000 rows

```
1 • SELECT * FROM dotnet_final.owners;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Id	FirstName	LastName	DriverLicense
NULL	NULL	NULL	NULL

vehicles

Limit to 1000 rows

```
1 • SELECT * FROM dotnet_final.vehicles;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

Id	Owner_Id	Brand	Vin	Color	Year
NULL	NULL	NULL	NULL	NULL	NULL

Front-end:

- Owners

Get:

Dotnet Final Assessment Owners Vehicles Claims

Owners

[Create New](#)

First Name	Last Name	Driver License	
Miguel	Cabero	B	Edit Details Delete



After edit:

Dotnet Final Assessment Owners Vehicles Claims

Owners

[Create New](#)

First Name	Last Name	Driver License	
Leonardo	Angelit	B	Edit Details Delete



Delete View:

Dotnet Final Assessment Owners Vehicles Claims

Delete

Are you sure you want to delete this?

Owner

First Name	Leonardo
Last Name	Angelit
Driver License	B

[Delete](#) | [Back to List](#)

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- Vehicles

Get:

Dotnet Final Assessment Owners Vehicles Claims

Vehicles

[Create New](#)

Brand	Vin	Color	Year	Owner	
Seat	ag243fv3waf3	Red	2022	Leonardo Angelit	Edit Details Delete

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The screenshot shows the Chrome DevTools Network tab. The top panel displays a waterfall chart with a timeline from 0 to 650 ms. The bottom panel shows a table of network requests:

Name	Status	Type	Initiator	Size	Time	Waterfall
DotnetFinalAssessment/	101	websocket	asapnetcore-browser-refresh.js:234	0 B	Pending	
Create	302	document / Redirect	Other	57 B	21 ms	
Vehicles	200	document	Create	4.4 kB	21 ms	

After edit color:

Dotnet Final Assessment Owners Vehicles Claims

Vehicles

[Create New](#)

Brand	Vin	Color	Year	Owner	
Seat	ag243fv3waf3	Blue	2022	Leonardo Angelit	Edit Details Delete

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The screenshot shows the Chrome DevTools Network tab. The top panel displays a waterfall chart with a timeline from 0 to 650 ms. The bottom panel shows a table of network requests:

Name	Status	Type	Initiator	Size	Time	Waterfall
DotnetFinalAssessment/	101	websocket	asapnetcore-browser-refresh.js:234	0 B	Pending	
7	302	document / Redirect	Other	47 B	29 ms	
Vehicles	200	document	Z	4.3 kB	22 ms	

Delete view:

Dotnet Final Assessment Owners Vehicles Claims

Delete

Are you sure you want to delete this?

Vehicle

Brand	Seat
Vin	ag243fv3waf3
Color	Blue
Year	2022
Owner	Leonardo Angelit

[Delete](#) [Back to List](#)

The screenshot shows the Chrome DevTools Network tab. The top panel displays a waterfall chart with a timeline from 0 to 650 ms. The bottom panel shows a table of network requests:

Name	Status	Type	Initiator	Size	Time	Waterfall
DotnetFinalAssessment/	101	websocket	asapnetcore-browser-refresh.js:234	0 B	Pending	
7	302	document / Redirect	Other	47 B	29 ms	
Vehicles	200	document	Z	4.3 kB	22 ms	

- Claims:

Get:

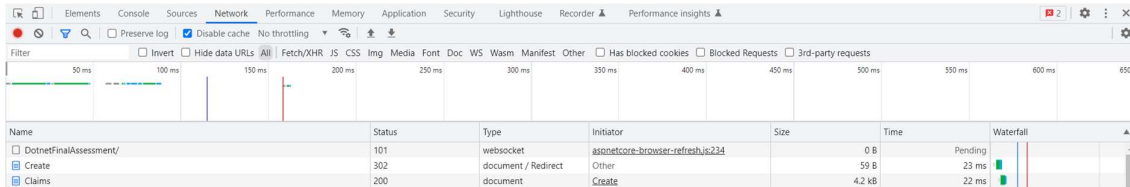
Dotnet Final Assessment Owners Vehicles Claims

Claims

[Create New](#)

Description	Status	Date	Vehicle	
Tire	----	18/11/2022 13:59:00	ag243fv3waf3	Edit Details Delete

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After edit:

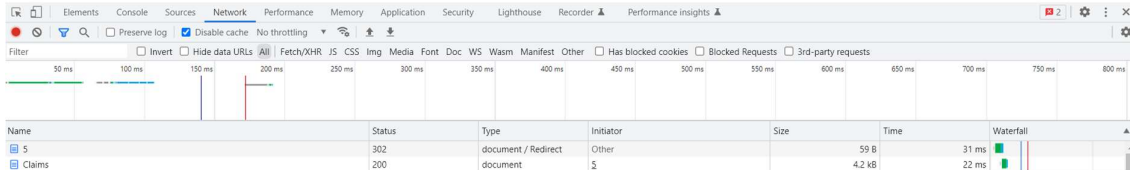
Dotnet Final Assessment Owners Vehicles Claims

Claims

[Create New](#)

Description	Status	Date	Vehicle	
Tire	In progress	18/11/2022 13:59:00	ag243fv3waf3	Edit Details Delete

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Delete view:

Dotnet Final Assessment Owners Vehicles Claims

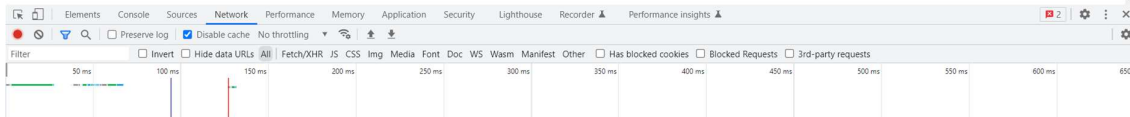
Delete

Are you sure you want to delete this?

Claim

Description	Tire
Status	----
Date	18/11/2022 13:59:00
Vehicle	ag243fv3waf3

[Delete](#) | [Back to List](#)



Postman:

- Owners:

The image displays two screenshots of the Postman API client interface, demonstrating a REST API workflow for managing owners.

Top Screenshot (POST Request):

- Method:** POST
- URL:** `https://localhost:5000/api/owners`
- Body:** The request body is formatted as JSON, containing the following data:

```
{  "firstName": "David",  "lastName": "Paradela",  "driverlicense": "B"}
```
- Response:** The response is displayed in the "Body" tab, showing a successful status of 201 Created. The response body is JSON, containing the following data:

```
{  "id": 6,  "firstName": "David",  "lastName": "Paradela",  "driverlicense": "B"}
```
- Metadata:** Status: 201 Created, Time: 30 ms, Size: 273 B.

Bottom Screenshot (PUT Request):

- Method:** PUT
- URL:** `https://localhost:5000/api/owners/6`
- Body:** The request body is formatted as JSON, containing the following data:

```
{  "firstName": "David Updated",  "lastName": "Paradela",  "driverlicense": "B"}
```
- Response:** The response is displayed in the "Body" tab, showing a successful status of 200 OK. The response body is empty (indicated by "1" in the text view).
- Metadata:** Status: 200 OK, Time: 22 ms, Size: 92 B.

GET ▼ https://localhost:5000/api/owners/6 Send ▼

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▼ Beautify

```
1 1
2 2
3 3
4 4
5 5
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 14 ms Size: 226 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼

```
1 1
2 2
3 3
4 4
5 5
6 6
```

DELETE ▼ https://localhost:5000/api/owners/6 Send ▼

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON ▼ Beautify

```
1 1
2 2
3 3
4 4
5 5
```

Body Cookies Headers (2) Test Results Status: 204 No Content Time: 28 ms Size: 81 B Save Response ▼

Pretty Raw Preview Visualize Text ▼

```
1 1
```

- Vehicles:

GET

https://localhost:5000/api/vehicles

Send

ParamsAuthorizationHeaders (6)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

1

BodyCookiesHeaders (4)Test Results

Status: 200 OKTime: 23 msSize: 312 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   {
3     "id": 1,
4     "brand": "Toyota",
5     "vin": "4189KLV",
6     "color": "White",
7     "year": 2018,
8     "ownerId": 3
9   },
10  {
11    "id": 2,
12    "brand": "Nissan",
13    "vin": "6850DGK",
14    "color": "Grey",
15    "year": 2005,
```

POST

https://localhost:5000/api/vehicles

Send

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettingsCookies

noneform-datax-www-form-urlencodedrawbinaryGraphQLJSON

1
2
3
4
5
6
7
8

BodyCookiesHeaders (5)Test Results

Status: 201 CreatedTime: 36 msSize: 285 BSave Response

PrettyRawPreviewVisualizeJSON

```
1 {
2   "id": 4,
3   "brand": "Dacia",
4   "vin": "4589HNL",
5   "color": "White",
6   "year": 2013,
7   "ownerId": 3
8 }
```


PUT ▼ https://localhost:5000/api/vehicles/4 Send ▼

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☐ JSON ▼ Beautify

```
1  .....
2  .....
3  ..... "brand": "Dacia Updated",
4  ..... "vin": "4589HNL",
5  ..... "color": "White",
6  ..... "year": 2013,
7  ..... "ownerId": 3
8  .....

```

Body Cookies Headers (3) Test Results Status: 200 OK Time: 29 ms Size: 92 B Save Response ▼

Pretty Raw Preview Visualize Text ▼ 🔍

1

GET ▼ https://localhost:5000/api/vehicles/4 Send ▼

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☐ JSON ▼ Beautify

```
1  .....
2  .....
3  ..... "brand": "Dacia Updated",
4  ..... "vin": "4589HNL",
5  ..... "color": "White",
6  ..... "year": 2013,
7  ..... "ownerId": 3
8  .....

```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 13 ms Size: 236 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ 🔍

```
1  {
2    "id": 4,
3    "brand": "Dacia Updated",
4    "vin": "4589HNL",
5    "color": "White",
6    "year": 2013,
7    "ownerId": 3
8  }

```

DELETE ▼ https://localhost:5000/api/vehicles/4 Send ▼

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL ☐ JSON ▼ Beautify

```
1  |

```

Body Cookies Headers (2) Test Results Status: 204 No Content Time: 37 ms Size: 81 B Save Response ▼

Pretty Raw Preview Visualize Text ▼ 🔍

1

- Claims:

GET https://localhost:5000/api/claims Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

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

1

Body Cookies Headers (4) Test Results Status: 200 OK Time: 24 ms Size: 250 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 1,
3   "description": "Hola que tal",
4   "status": "Accepted",
5   "date": "2022-11-18T11:34:00",
6   "vehicleId": 1
7 }
```

POST https://localhost:5000/api/claims Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

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

```
1 {
2   "description": "New Claim",
3   "status": "In process",
4   "vehicleId": 1
5 }
```

Body Cookies Headers (5) Test Results Status: 201 Created Time: 63 ms Size: 316 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 3,
3   "description": "New Claim",
4   "status": "In process",
5   "date": "2022-11-18T14:32:57.2088676+01:00",
6   "vehicleId": 1
7 }
```

PUT ▼ https://localhost:5000/api/claims/3 Send ▼

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings Cookies

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

```
1 {
2   ..... "description": "New Claim Updated",
3   ..... "status": "In process",
4   ..... "vehicleId": 1
5 }
```

Body Cookies Headers (3) Test Results Status: 200 OK Time: 22 ms Size: 92 B Save Response ▼

Pretty Raw Preview Visualize Text ▼ 🔍

1

GET ▼ https://localhost:5000/api/claims/3 Send ▼

Params Authorization Headers (8) **Body** ● Pre-request Script Tests Settings Cookies

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

```
1 {
2   ..... "description": "New Claim Updated",
3   ..... "status": "In process",
4   ..... "vehicleId": 1
5 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 15 ms Size: 255 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ 🔍

```
1 {
2   "id": 3,
3   "description": "New Claim Updated",
4   "status": "In process",
5   "date": "2022-11-18T14:33:30",
6   "vehicleId": 1
7 }
```

DELETE ▼ https://localhost:5000/api/claims/3 Send ▼

Params Authorization Headers (6) **Body** ● Pre-request Script Tests Settings Cookies

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

```
1
```

Body Cookies Headers (2) Test Results Status: 204 No Content Time: 20 ms Size: 81 B Save Response ▼

Pretty Raw Preview Visualize Text ▼ 🔍

1

