

Date: 2/23/2026

Module: Driver Profile CRUD API

Description:

Implemented full CRUD (Create, Read, Update, Delete) functionality for the Driver module in the Laravel backend API. Added RESTful endpoints to allow administrators to register new drivers, retrieve driver details, update driver information, delete driver records and restore records.

Technical Details:

- Created DriverController with create, read, update, delete, restore methods
- Defined API routes in api.php
- Implemented Role-Based Access Control (RBAC) to ensure that only authorized users can access or modify driver profile endpoints.
- Connected API endpoints to the drivers_profile table in MySQL.
- Tested endpoints using Postman.

Driver CRUD API documentation

Endpoints:

Create:

<http://rideguide.test/api/drivers/create-profile>

Read:

<http://rideguide.test/api/drivers/read-profile/{id}>

Update:

<http://rideguide.test/api/drivers/update-profile/{id}>

Delete:

<http://rideguide.test/api/drivers/delete-profile/{id}>

Restore:

<http://rideguide.test/api/drivers/restore-profile/{id}>

Access Levels

Bearer Token Admin = Full Access

Bearer Token Driver = Create, Read, Update

Bearer Token Commuter = None

READ auth_api_endpoints.md on how to get BEARER TOKEN

Create

The screenshot shows the Postman application interface. A POST request is being made to `((API_URL)) /create-profile`. The request body is set to `form-data`, containing three fields:

Key	Type	Value	Description	... Bulk Edit
license_number	Text	D01-00-000000		
franchise_number	Text	67676767		
verification_status	Text	unverified		

The response status is **201 Created**, with a response time of 134 ms and a response size of 604 B. The response body is displayed as JSON:

```
1 {  
2   "message": "Driver profile created successfully",  
3   "driver_profile": {  
4     "user_id": "019c8a57-980d-715f-b7b6-67014c23b601",  
5     "license_number": "D01-00-000000",  
6     "franchise_number": "67676767",  
7     "verification_status": "unverified",  
8     "id": "019c8a58-ce5f-7360-8cad-889f67950f7e",  
9     "updated_at": "2026-02-23T11:53:21.000000Z",  
10    "created_at": "2026-02-23T11:53:21.000000Z"  
11  }  
12 }
```

Read

The screenshot shows the Postman interface with the following details:

- URL:** {{API_URL}} /read-profile/019c8a58-ce5f-7360-8cad-889f67950f7e
- Method:** GET
- Headers:** (8) - A table showing one header: Key (Value) and Description.
- Body:** JSON response (200 OK):


```

1 {
2   "driver_profile": {
3     "id": "019c8a58-ce5f-7360-8cad-889f67950f7e",
4     "user_id": "019c8a57-980d-715f-b7b6-67014c23b601",
5     "license_number": "67676767",
6     "franchise_number": "676767666",
7     "verification_status": "verified",
8     "deleted_at": null,
9     "created_at": "2026-02-23T11:53:21.000000Z",
10    "updated_at": "2026-02-23T12:17:34.000000Z"
11  }
12 }
```

Update

The screenshot shows the Postman interface with the following details:

- URL:** {{API_URL}} /update-profile/019c8a58-ce5f-7360-8cad-889f67950f7e
- Method:** PUT
- Headers:** (11) - A table showing three checked form-data fields: license_number, franchise_number, and verification_status.
- Body:** JSON response (200 OK):


```

1 {
2   "message": "Driver profile updated successfully",
3   "driver_profile": {
4     "id": "019c8a58-ce5f-7360-8cad-889f67950f7e",
5     "user_id": "019c8a57-980d-715f-b7b6-67014c23b601",
6     "license_number": "67676767",
7     "franchise_number": "676767666",
8     "verification_status": "verified",
9     "deleted_at": null,
10    "created_at": "2026-02-23T11:53:21.000000Z",
11    "updated_at": "2026-02-23T12:17:34.000000Z"
12  }
13 }
```

Delete

HTTP RideGuide API / Driver Profile / Soft Delete

DELETE `{API_URL}/delete-profile/019c8a58-ce5f-7360-8cad-889f67950f7e`

Send

Docs Params Authorization • Headers (9) Body Scripts Settings Cookies

Auth Type
Bearer Token

Token `dHu3m7BNkJITGGZ49ViEDbe595c36`

The authorization header will be automatically generated when you send the request.

Body Cookies Headers (10) Test Results

200 OK • 87 ms • 369 B • Save Response

`{ } JSON` Preview Visualize

```
1 {  
2   "message": "Driver profile deleted successfully"  
3 }
```

Restore

HTTP RideGuide API / Driver Profile / Restore

PUT `{API_URL}/restore-profile/019c8a58-ce5f-7360-8cad-889f67950f7e`

Send

Docs Params Authorization • Headers (11) Body Scripts Settings Cookies

Auth Type
Bearer Token

Token `2u3hIEgL1lbW1z8nZlLoHu3m7BNkJ`

The authorization header will be automatically generated when you send the request. Learn more about [Bearer Token](#) authorization.

Body Cookies Headers (10) Test Results

200 OK • 67 ms • 543 B • Save Response

`{ } JSON` Preview Visualize

```
1 {  
2   "message": "Driver profile restored successfully",  
3   "driver_profile": {  
4     "id": "019c8a58-ce5f-7360-8cad-889f67950f7e",  
5     "user_id": "019c8a57-980d-715f-b7b6-67014c23b601",  
6     "license_number": "67676767",  
7     "franchise_number": "676767666",  
8     "verification_status": "verified",  
9     "deleted_at": null,  
10    "created_at": "2026-02-23T11:53:21.000000Z",  
11    "updated_at": "2026-02-23T12:50:27.000000Z"  
12  },  
13 }
```