

Clean Code API

Motorcycle :

Create motorcycle

```
curl -X POST http://localhost:3001/motorcycles \
-H "Content-Type: application/json" \
-d '{
  "vin": "1HGCM82633A123456",
  "model": "Test Model",
  "year": 2023,
  "status": "available",
  "mileageInKilometers": 1000,
  "motorcycleType": "Cruiser",
  "power": 150,
  "fuelType": "Diesel",
  "transmission": "manual",
  "fuelTankCapacityInLiters": 15
}'
```

Get all motorcycle

```
curl http://localhost:3001/motorcycles
```

Get motorcycle by id

```
curl http://localhost:3001/motorcycles/motorcycleId
```

Delete motorcycle

```
curl -X DELETE http://localhost:3001/motorcycles/motorcycleId
```

Update motorcycle

```
curl -X PUT http://localhost:3001/motorcycles/motorcycleId \
-H "Content-Type: application/json" \
-d '{
  "vin": "1HGCM82633A123456",
  "model": "Test Model Updated",
  "year": 2023,
  "status": "available",
  "mileageInKilometers": 1000,
  "motorcycleType": "Cruiser",
  "power": 150,
  "fuelType": "Diesel",
  "transmission": "manual",
  "fuelTankCapacityInLiters": 15
}'
```

Company :

Create company

```
curl -X POST http://localhost:3000/api/companies \
-H "Content-Type: application/json" \
-d '{
  "name": "Test Company 2",
  "siret": "44306184100047",
  "phone": "0123456789",
  "address": "123 Test Street",
  "city": "Test City",
  "postalCode": "12345",
  "country": "France"
}'
```

Get all companies

```
curl http://localhost:3000/api/companies
```

Get company by id

```
curl http://localhost:3000/api/companies/companyId
```

Delete company

```
curl -X DELETE http://localhost:3000/api/companies/companyId
```

Update company

```
curl -X PUT http://localhost:3000/api/companies/companyId \
-H "Content-Type: application/json" \
-d '{
  "name": "Updated Company Name TEST",
  "siret": "44306184100047",
  "phone": "0123456789",
  "address": "456 New Street",
  "city": "New City",
  "postalCode": "54321",
  "country": "France"
}'
```

Driver :

Add driver

```
curl -X POST http://localhost:3000/api/drivers \
-H "Content-Type: application/json" \
-d '{
  "firstName": "John",
  "lastName": "Doe",

```

```
"phone": "0123456789",
"email": "john.doe@example.com",
"birthDate": "1990-01-01",
"companyId": "company-id"
}'
```

List all driver by company

```
curl http://localhost:3000/api/companies/companyId/drivers
```

Edit driver

```
curl -X PUT http://localhost:3000/api/drivers/driverId \
-H "Content-Type: application/json" \
-d '{
  "firstName": "Johnupdate",
  "lastName": "Doeupdate",
  "phone": "0123456789",
  "email": "john.doe@example.com",
  "birthDate": "1990-01-01",
  "companyId": "company-id"
}'
```

Remove driver

```
curl -X DELETE http://localhost:3000/api/drivers/driverId
```

Driver License

Add driver license

```
curl -X POST http://localhost:3000/api/driver-licenses \
-H "Content-Type: application/json" \
-d '{
```

```
"licenseNumber": "12345678",  
"issueDate": "2020-01-01",  
"expirationDate": "2030-01-01",  
"status": "valid",  
"categories": ["A", "B"],  
"driverId": "driver-id"  
}'
```

Get driver license by id

```
curl http://localhost:3000/api/driver-licenses/driverLicenseId
```

Edit driver license

```
curl -X PUT http://localhost:3000/api/driver-licenses/driverLicenseId  
-H "Content-Type: application/json" \  
-d '{  
  "licenseNumber": "12345678",  
  "issueDate": "2020-01-01",  
  "expirationDate": "2030-01-01",  
  "status": "valid",  
  "categories": ["A", "B", "C"],  
  "driverId": "driver-id"  
}'
```

Remove driver license

```
curl -X DELETE http://localhost:3000/api/driver-licenses/driverLicenseId
```

Incident

Create incident report

```
curl -X POST http://localhost:3000/api/incidents \
-H "Content-Type: application/json" \
-d '{
  "driverId": "driver-id",
  "motorcycleId": "motorcycle-id",
  "incidentDate": "2024-02-04",
  "incidentDetails": "Accident sur la A13"
}'
```

Get incident by id

```
curl http://localhost:3000/api/incidents/incidentId
```

List incident by driver

```
curl http://localhost:3000/api/drivers/driverId/incidents
```

List incident by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/incidents
```

Edit incident report

```
curl -X PUT http://localhost:3000/api/incidents/incidentId \
-H "Content-Type: application/json" \
-d '{
  "driverId": "driver-id",
  "motorcycleId": "motorcycle-id",
  "incidentDate": "2024-02-04",
  "incidentDetails": "Accident sur la A13 EDITED"
}'
```

Test Drive

Create test drive

```
curl -X POST http://localhost:3000/api/test-drives \
-H "Content-Type: application/json" \
-d '{
  "driverId": "driver-id",
  "motorcycleId": "motorcycle-id",
  "sessionDate": "2025-09-09",
  "sessionDetails": "test session details"
}'
```

List test drive by driver

```
curl http://localhost:3000/api/driver/driverId/test-drives
```

List test drive by driver

```
curl http://localhost:3000/api/motorcycle/motorcycleId/test-drives
```

Breakdown

Create breakdown report

```
curl -X POST http://localhost:3000/api/breakdowns \
-H "Content-Type: application/json" \
-d '{
  "breakdownDate": "2023-02-05",
  "breakdownType": "Engine",
  "breakdownDescription": "Engine Failure",
  "motorcycleId": "motorcycle-id"
}'
```

List breakdown by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/breakdown
```

Warranty

Add warranty

```
curl -X POST http://localhost:3000/api/warranties \
-H "Content-Type: application/json" \
-d '{
  "startDate": "2024-02-05",
  "endDate": "2026-02-05",
  "warrantyType": "standard",
  "motorcycleId": "motorcycle-id",
  "warrantyDescription": "Garantie standard de 2 ans"
}'
```

Get warranty by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/warranty
```

Get warranty by id

```
curl http://localhost:3000/api/warranties/warrantyId
```

Update warranty status

```
curl -X PATCH http://localhost:3000/api/warranties/warrantyId/status \
-H "Content-Type: application/json" \
-d '{
  "status": "cancelled"
}'
```

Extend warranty


```
curl -X PATCH http://localhost:3000/api/warranties/warrantyId/endDate \
-H "Content-Type: application/json" \
-d '{
  "endDate": "2027-02-05"
}'
```

Rental

Create rental

```
curl -X POST http://localhost:3000/api/rentals \
-H "Content-Type: application/json" \
-d '{
  "motorcycleId": "motorcycle-id",
  "renterId": "driver-id",
  "rentalStartDate": "2027-02-07",
  "rentalEndDate": "2027-02-09",
  "dailyRate": 15.00
}'
```

List all rentals

```
curl http://localhost:3000/api/rentals
```

Get rental by id

```
curl http://localhost:3000/api/rentals/rentalId
```

List rentals by driver

```
curl http://localhost:3000/api/drivers/driverId/rentals
```

List rentals by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/rentals
```

Update rental return

```
curl -X PUT http://localhost:3000/api/rentals/rentalId/return \
-H "Content-Type: application/json" \
-d '{
  "returnDate": "2026-02-09"
}'
```

Spare Part

Create spare part

```
curl -X POST http://localhost:3000/api/spare-parts \
-H "Content-Type: application/json" \
-d '{
  "name": "Pneu Michelin",
  "unitPrice": 199.99,
  "description": "Pneu haute performance pour moto sportive",
  "stockQuantity": 10,
  "alertLowStock": 3
}'
```

List all spare part

```
curl http://localhost:3000/api/spare-parts
```

List all spare part which has low stock (stock < alert)

```
curl http://localhost:3000/api/spare-parts/low-stock
```

Search spare part by name

```
curl http://localhost:3000/api/spare-parts/search\?name\=whatul
```

Get spare part by id

```
curl http://localhost:3000/api/spare-parts/sparePartId
```

Update spare part stock

```
curl -X PATCH http://localhost:3000/api/spare-parts/sparePartId \
-H "Content-Type: application/json" \
-d '{
  "quantity": 15
}'
```

Order

Create order

```
curl -X POST http://localhost:3000/api/orders \
-H "Content-Type: application/json" \
-d '{
  "orderLines": [
    {
      "sparePartId": "spare-part-id",
      "quantity": 2
    }
  ]
}'
```

List all orders

```
curl http://localhost:3000/api/orders
```

Get order by status

```
curl http://localhost:3000/api/orders/status/specifiedStatus
```

Get order by id

```
curl http://localhost:3000/api/orders/orderId
```

Update order status

```
curl -X PATCH http://localhost:3000/api/orders/orderId/status \
-H "Content-Type: application/json" \
-d '{
  "status": "confirmed"
}'
```

Maintenance Recursion

Create maintenance recursion

```
curl -X POST http://localhost:3000/api/maintenance-recursions \
-H "Content-Type: application/json" \
-d '{
  "motorcycleId": "motorcycle-id",
  "description": "Changement huile moteur",
  "intervalKm": 10000,
  "intervalMonths": 12
}'
```

List maintenance recursion by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/mainten
```

Update maintenance recursion

```
curl -X PUT http://localhost:3000/api/maintenance-recursions/ma:
-H "Content-Type: application/json" \
-d '{
  "motorcycleId": "motorcycle-id",
  "description": "Changement huile moteur et filtre",
  "intervalKm": 15000,
  "intervalMonths": 12
}'
```

Remove maintenance recursion

```
curl -X DELETE http://localhost:3000/api/maintenance-recursions,
```

Maintenance

Create maintenance

```
curl -X POST http://localhost:3000/api/maintenances \
-H "Content-Type: application/json" \
-d '{
  "motorcycleId": "motorcycle-id",
  "maintenanceDate": "2024-02-05",
  "maintenanceType": "Corrective",
  "description": "Réparation suite à panne",
  "techniciansRecommendation": "Surveillance à prévoir",
  "replacedParts": [
    {
      "sparePartId": "spare-part-id",
      "quantity": 1
    }
  ]
}'
```

(Avec replacedParts qui peut être [], breakdownId et maintenanceRecursionId optionnel pour lier à un breakdown ou une recursion)

Update maintenance

```
curl -X PUT http://localhost:3000/api/maintenances/maintenanceId \
-H "Content-Type: application/json" \
-d '{
  "motorcycleId": "motorcycle-id",
  "maintenanceDate": "2024-02-05",
  "maintenanceType": "Corrective",
  "description": "Réparation suite à panne UPDATED",
  "techniciansRecommendation": "Surveillance à prévoir",
  "replacedParts": [
    {
      "sparePartId": "spare-part-id",
      "quantity": 2
    }
  ]
}'
```

List maintenance by motorcycle

```
curl http://localhost:3000/api/motorcycles/motorcycleId/maintenances
```

Get maintenance by breakdown

```
curl http://localhost:3000/api/breakdowns/breakdownId/maintenances
```