Admin Controller

Add a new vehicle

Endpoint URL: `/api/v1/admin/addNewVehicle`

HTTP Method: POST

Description: Add a new vehicle to the database.

Request Parameters:

- Request Body

Request Body:
The request body for a POST request to add a new vehicle should be in JSON format and include the following fields:

- `chassis_num` (string, required): The chassis number of the vehicle to be added.
- `make` (string, required): The make of the vehicle to be added.
- `model` (string, required): The model of the vehicle to be added.
- `fuel_type` (string, required): The fuel type of the vehicle to be added.
- `phone_number` (string, required): The phone number of the owner.
- `reg_date` (string, required): The date of registration of the vehicle.
- `warranty_start` (string, required): The warranty start date of the vehicle.
- `warranty_end` (string, required): The warranty end date of the vehicle.
- `amc_start` (string, required): The amc start date of the vehicle.
- `amc_end` (string, required): The amc end date of the vehicle.
- `warranty_id` (int, required): The id of the warranty type availed by the vehicle.
- `amc_id` (int, required): The id of the amc type availed by the vehicle.
-

Response:

- Status Code: 200 OK
- Response Body: String.

Example Request:

```
POST /api/v1/admin/addNewVehicle
Content-Type: application/json
{
    "chassis_num": "CHVH013",
    "make": "Fujiyama",
    "model": "Spectra",
    "fuel_type": "Electric(156 KWH)",
    "phone_number": "2856423224",
    "owner": "Fujiyama",
    "reg_date": "2023-02-16",
    "warranty_start": "2023-02-16",
    "warranty_end": "2025-02-16",
    "amc_start_date": "2023-02-16",
    "amc_end_date": "2024-02-16",
    "amc_id": 1,
    "warranty_id": 1
}
```

Example Response:

```
HTTP/1.1 200 OK
Added Successfully
```

Add a new workshop

Endpoint URL: `/api/v1/admin/addNewWorkshop`

HTTP Method: POST

Description: Add a new workshop to the database..

Request Parameters:

- Request Body

Request Body:
The request body for a POST request to add a new workshop should be in JSON format and include the following fields:

- `state` (string, required): The name of the state to which the workshop belongs.
- `name` (string, required): The username of the workshop to be added.
- `address` (string, required): The address of the workshop to be added.

- `pin` (string, required): The pin code of the workshop to be added.
- `contact` (string, required): The contact number of the workshop to be added.

Response:

- Status Code: 200 OK
- Response Body: String.

Example Request:

```
POST /api/v1/admin/addNewWorkshop
Content-Type: application/json
{
    "name": "workshop18",
    "state": "Assam",
    "address": "Address-9",
    "pin": "98628",
    "contact": "127832417"
}
```

Example Response:

```
HTTP/1.1 200 OK
Added Successfully
```

AMC Availability Controller

Check if a particular part/scope is covered by AMC

Endpoint URL: `/api/v1/amc-availability/availability`

HTTP Method: GET

Description: Check if a particular part is covered by AMC.

Request Parameters:

- `chassis_num` (query parameter, string, required): The chassis_num of the concerned vehicle.

- `scope` (query parameter, string, required): The concerened part/scope for which the amc-availability is to be checked.

Response:

- Status Code: 200 OK
- Response Body: JSON.

Response Body:

The response body includes the following fields:

- `available` (string): The number of times the concerned part/scope can still be repaired for free under AMC.
- `total` (string): The number of times the concerned part/scope can be repaired(in total) for free under AMC.

Example Request:

```
GET api/v1/amc-availability/availability?chassis_num=CHVH008&scope=Handle%20Bar
```

Example Response:

```
HTTP/1.1 200 OK
Content-Type: application/json
{
    "available": 2,
    "total": 2
}
```

Get the list of all scopes covered by AMC for the concerned vehicle

Endpoint URL: `/api/v1/amc-availability/{chassisNum}`

HTTP Method: GET

Description: Get the list of all scopes covered by AMC for the concerned vehicle.

Request Parameters:

- `chassisNum` (path parameter): The chassis number of the concerned vehicle.

Response:

- Status Code: 200 OK
- Response Body: List of JSON objects.

Response Body:

Each item of the response body includes the following fields:

- `scopeOfWork` (string): The name of the scope covered by the AMC.
- `details` (string): Details about the scope.
- `frequency` (int): Total number of times the concerned scope can be repaired under AMC.

Example Request:

```
GET /api/v1/amc-availability/CHVH001
```

Example Response:

```
HTTP/1.1 200 OK
Content-Type: application/json
[
    {
        "scopeOfWork": "Head light",
        "details": "Change headlight(in total lifetime)",
        "frequency": 1
    },
    {
        "scopeOfWork": "Handle Bar",
        "details": "Change Handle Bar (in total lifetime)",
        "frequency": 2
    },
]
```