

1. ****Get all buses****

- Method: GET
- Path: /bus
- Produces: application/json
- Description: Retrieves a list of all buses.
- Response:
 - HTTP 200 (OK): Returns a JSON array containing all buses.
 - Response Object:

```
``json
[
  {
    "id": 1,
    "name": "Bus 1",
    "registrationNumber": "ABC123",
    "places": 50
  },
  {
    "id": 2,
    "name": "Bus 2",
    "registrationNumber": "XYZ789",
    "places": 30
  },
  ...
]
```

- HTTP 500 (Internal Server Error): Indicates an error occurred on the server.

2. ****Create a bus****

- Method: POST
- Path: /bus

- Consumes: application/json
- Description: Creates a new bus.
- Request body: A JSON object representing the bus to be created.
- Request Object:

```
```json
{
 "id": null,
 "name": "New Bus",
 "registrationNumber": "DEF456",
 "places": 40
}
```
```

- Response:
 - HTTP 204 (No Content): Indicates the bus was successfully created.
 - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

3. **Update a bus**

- Method: PUT
- Path: /bus
- Consumes: application/json
- Description: Updates an existing bus.
- Request body: A JSON object representing the updated bus.
- Request Object:

```
```json
{
 "id": 1,
 "name": "Updated Bus",
 "registrationNumber": "DEF456",
 "places": 45
}
```
```

...

- Response:
 - HTTP 204 (No Content): Indicates the bus was successfully updated.
 - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

4. ****Delete a bus****

- Method: DELETE
- Path: /bus/{id}
- Description: Deletes a bus by its ID.
- Path parameter:
 - id: The ID of the bus to be deleted.
- Response:
 - HTTP 204 (No Content): Indicates the bus was successfully deleted.
 - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

1. ****Get all clients****

- Method: GET
- Path: /client
- Produces: application/json
- Description: Retrieves a list of all clients.
- Response:
 - HTTP 200 (OK): Returns a JSON array containing all clients.
 - Response Object:

```
```json
[
 {
 "id": 1,
 "firstName": "John",
 "lastName": "Doe",
 "email": "johndoe@example.com",
 "phoneNumber": "1234567890",
 "birthDate": "1990-01-01",
 "pesel": "1234567890"
 },
 {
 "id": 2,
 "firstName": "Jane",
 "lastName": "Smith",
 "email": "janesmith@example.com",
 "phoneNumber": "9876543210",
 "birthDate": "1985-05-15",
 "pesel": "0987654321"
 },
 ...
]
```

...

- HTTP 500 (Internal Server Error): Indicates an error occurred on the server.

## 2. **\*\*Create a client\*\***

- Method: POST
- Path: /client
- Consumes: application/json
- Description: Creates a new client.
- Request body: A JSON object representing the client to be created.
- Request Object:

```
```json
{
  "id": null,
  "firstName": "John",
  "lastName": "Doe",
  "email": "johndoe@example.com",
  "phoneNumber": "1234567890",
  "birthDate": "1990-01-01",
  "pesel": "1234567890"
}
```
```

- Response:
- HTTP 204 (No Content): Indicates the client was successfully created.
- HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

## 3. **\*\*Update a client\*\***

- Method: PUT
- Path: /client
- Consumes: application/json

- Description: Updates an existing client.
- Request body: A JSON object representing the updated client.
- Request Object:

```
```json
{
  "id": 1,
  "firstName": "John",
  "lastName": "Doe",
  "email": "johndoe@example.com",
  "phoneNumber": "1234567890",
  "birthDate": "1990-01-01",
  "pesel": "1234567890"
}
```
```

- Response:
  - HTTP 204 (No Content): Indicates the client was successfully updated.
  - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

#### 4. **\*\*Delete a client\*\***

- Method: DELETE
- Path: /client/{id}
- Description: Deletes a client by their ID.
- Path parameter:
  - id: The ID of the client to be deleted.
- Response:
  - HTTP 204 (No Content): Indicates the client was successfully deleted.
  - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

## 1. **\*\*Get all routes\*\***

- Method: GET
- Path: /route
- Produces: application/json
- Description: Retrieves a list of all routes.
- Response:
  - HTTP 200 (OK): Returns a JSON array containing all routes.
  - Response Object:

```
``json
[
 {
 "id": 1,
 "name": "Route 1",
 "startingPoint": "Point A",
 "endPoint": "Point B",
 "distance": 100
 },
 {
 "id": 2,
 "name": "Route 2",
 "startingPoint": "Point X",
 "endPoint": "Point Y",
 "distance": 200
 },
 ...
]
```

- HTTP 500 (Internal Server Error): Indicates an error occurred on the server.

## 2. **\*\*Create a route\*\***

- Method: POST
- Path: /route
- Consumes: application/json
- Description: Creates a new route.
- Request body: A JSON object representing the route to be created.
- Request Object:

```
```json
{
  "id": null,
  "name": "New Route",
  "startingPoint": "Point A",
  "endPoint": "Point B",
  "distance": 100
}
```
```

- Response:
  - HTTP 204 (No Content): Indicates the route was successfully created.
  - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.



### 3. **\*\*Update a route\*\***

- Method: PUT
- Path: /route
- Consumes: application/json
- Description: Updates an existing route.
- Request body: A JSON object representing the updated route.
- Request Object:

```
```json
{
  "id": 1,
  "name": "Updated Route",
  "startingPoint": "Point A",
  "endPoint": "Point B",
  "distance": 120
}
```
```

- Response:
  - HTTP 204 (No Content): Indicates the route was successfully updated.
  - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

### 4. **\*\*Delete a route\*\***

- Method: DELETE
- Path: /route/{id}
- Description: Deletes a route by its ID.
- Path parameter:
  - id: The ID of the route to be deleted.
- Response:
  - HTTP 204 (No Content): Indicates the route was successfully deleted.
  - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

## 1. **\*\*Get all transports\*\***

- Method: GET
- Path: /transport
- Produces: application/json
- Description: Retrieves a list of all transports.
- Response:
  - HTTP 200 (OK): Returns a JSON array containing all transports.
  - Response Object:

```
``json
[
 {
 "id": 1,
 "name": "Transport 1",
 "date": "2022-12-31",
 "clients": [
 {
 "id": 1,
 "firstName": "John",
 "lastName": "Doe",
 "email": "johndoe@example.com",
 "phoneNumber": "1234567890",
 "birthDate": "1990-01-01",
 "pesel": "1234567890"
 },
 {
 "id": 2,
 "firstName": "Jane",
 "lastName": "Smith",
 "email": "janesmith@example.com",
 "phoneNumber": "9876543210",
 "birthDate": "1985-05-15",
```

```
 "pesel": "0987654321"
 },
 ...
],
"buses": [
 {
 "id": 1,
 "name": "Bus 1",
 "registrationNumber": "ABC123",
 "places": 50
 },
 {
 "id": 2,
 "name": "Bus 2",
 "registrationNumber": "XYZ789",
 "places": 40
 },
 ...
],
"route": {
 "id": 1,
 "name": "Route 1",
 "startingPoint": "Point A",
 "endPoint": "Point B",
 "distance": 100
}
},
{
 "id": 2,
 "name": "Transport 2",
 "date": "2023-01-15",
```

```

 "clients": [
 ...
],
 "buses": [
 ...
],
 "route": {
 ...
 },
 ...
 },
 ...
]
...

```

- HTTP 500 (Internal Server Error): Indicates an error occurred on the server.

## 2. **\*\*Create a transport\*\***

- Method: POST
- Path: /transport
- Consumes: application/json
- Description: Creates a new transport.
- Request body: A JSON object representing the transport to be created.
- Request Object:

```

```json
{
  "id": null,
  "name": "New Transport",
  "date": "2023-02-28",
  "clients": [
    {

```

```

    "id": 1
  },
  {
    "id": 2
  }
],
"buses": [
  {
    "id": 1
  },
  {
    "id": 2
  }
],
"route": {
  "id": 1
}
}
...

```

- Response:

- HTTP 204 (No Content): Indicates the transport was successfully created.
- HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

3. ****Update a transport****

- Method: PUT
- Path: /transport
- Consumes: application/json
- Description: Updates an existing transport.
- Request body: A JSON object representing the updated transport.
- Request Object:

```

``json
{
  "id": 1,
  "name": "Updated Transport",
  "date": "2023-03-15",
  "clients": [
    ...
  ],
  "buses": [
    ...
  ],
  "route": {
    ...
  }
}
...

```

- Response:
- HTTP 204 (No Content): Indicates the transport was successfully updated.
- HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

4. ****Delete a transport****

- Method: DELETE
- Path: /transport/{id}
- Description: Deletes a transport by its ID.
- Path parameter:
 - id: The ID of the transport to be deleted.
- Response:
 - HTTP 204 (No Content): Indicates the transport was successfully deleted.
 - HTTP 400 (Bad Request): Indicates the request was invalid or missing required parameters.

5. ****Get all transports for a client****

- Method: GET
- Path: /transport/{id}
- Produces: application/json
- Description: Retrieves a list of all transports for a specific client.
- Path parameter:
 - id: The ID of the client.
- Response:
 - HTTP 200 (OK): Returns a JSON array containing all transports associated with the client.
 - Response Object:

```
```json
[
 {
 "id": 1,
 "name": "Transport 1",
 "date": "2022-12-31",
 "clients": [
 {
 "id": 1,
 "firstName": "John",
 "lastName": "Doe",
 "email": "johndoe@example.com",
 "phoneNumber": "1234567890",
 "birthDate": "1990-01-01",
 "pesel": "1234567890"
 },
 ...
],
 "buses": [
 ...
]
 }
]
```

```
],
 "route": {
 ...
 }
},
...
]
...
```

- HTTP 500 (Internal Server Error): Indicates an error occurred on the server.