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.