**GET**

**Get all shipments**

Returns an array of all shipments from database

URL: <http://localhost:8080/shipments>

Response example:

[

{

"ID": "1",

"SenderName": "Alex Render",

"SenderEmail": "alex@asd.com",

"SenderAddress": "Frihamnstadsvagen 65, Aalborg 55104",

"SenderCountryCode": "DK",

"RecipientName": "Roger Isslov",

"RecipientEmail": "vsssvf@gmail.com",

"RecipientAddress": "Bridgeroad 81s, New York 775511",

"RecipientCountryCode": "US",

"Weight": 56,

"Price": "2000.00"

},

{

"ID": "2",

"SenderName": "Harry Potter",

"SenderEmail": "h.potter@asd.com",

"SenderAddress": "Magicroad 5G, London 71128",

"SenderCountryCode": "UK",

"RecipientName": "Rick Grym",

"RecipientEmail": "rick@gmail.com",

"RecipientAddress": "Lalastreet 8, LasPalmas 127651",

"RecipientCountryCode": "NG",

"Weight": 7,

"Price": "250.00"

},

...

]

**Get shipment by ID**

Returns one shipment from database according to inserted ID

URL: [http://localhost:8080/shipments/{id}](http://localhost:8080/shipments/%7Bid%7D)

Response example:

{

"ID": "2",

"SenderName": "Harry Potter",

"SenderEmail": "h.potter@asd.com",

"SenderAddress": "Magicroad 5G, London 71128",

"SenderCountryCode": "UK",

"RecipientName": "Rick Grym",

"RecipientEmail": "rick@gmail.com",

"RecipientAddress": "Lalastreet 8, LasPalmas 127651",

"RecipientCountryCode": "NG",

"Weight": 7,

"Price": "250.00"

}

**POST**

Creates a new shipment according to user input. Validation included.

URL: <http://localhost:8080/shipment>

Input requirements:

SenderName, RecipientName:

1. Format: “FirstName LastName”.
2. String length not more than 30 symbols.
3. Upper and lower case letters and punctuation possible, no digits.

SenderEmail, RecipientEmail:

1. Email must be valid.

SenderAddress, RecipientAddress:

1. Format: “StreetName BuildingNumber, City Postcode”.
2. String length not more than 100 symbols.
3. Upper and lower case letters, punctuation and digits possible.

SenderCountryCode, RecipientCountryCode:

1. Should follow the ISO-3166-1 alpha-2 standard: only 2 upper case letters

Weight:

1. Represents weight in kilograms
2. Data type: float64
3. Must not be more than 1000.0

Request example (Body):

{

"SenderName": "Harry Potter",

"SenderEmail": "h.potter@asd.com",

"SenderAddress": "Magicroad 5G, London 71128",

"SenderCountryCode": "UK",

"RecipientName": "Rick Grym",

"RecipientEmail": "rick@gmail.com",

"RecipientAddress": "Lalastreet 8, LasPalmas 127651",

"RecipientCountryCode": "NG",

"Weight": 7

}

ID sets in the database, Price cannot be inserted and is calculated before inserting shipment in the database.

Response example:

{

"ID": "",

"SenderName": "Harry Potter",

"SenderEmail": "h.potter@asd.com",

"SenderAddress": "Magicroad 5G, London 71128",

"SenderCountryCode": "UK",

"RecipientName": "Rick Grym",

"RecipientEmail": "rick@gmail.com",

"RecipientAddress": "Lalastreet 8, LasPalmas 127651",

"RecipientCountryCode": "NG",

"Weight": 7,

"Price": ""

}