Summary	Negative triangle's sides made positive when add triangle with 1 or all sides nagative
Priority	Normal

Description

Steps to reproduce:
- Add triangle with 1 or all sides negative:

POST https://qa-quiz.natera.com/triangle
{
  "input": "-1;1;1"
}

Expected result: 422 Unprocessable Entity as done for other invalid sides values.

Actual result:
- 200 OK in response.
- Triangle is added with sides cast to positive values.
- If pass 2 of 3 sides negative: correct 422 error is returned.

Autotest	NotTrianglesSides

Summary	Triangle with zero sides values can be added
Priority	Normal

Description

Steps to reproduce:
- Add triangle with all sides equal zero:

POST https://qa-quiz.natera.com/triangle
{
  "input": "0;0;0"
}

Expected result: 422 Unprocessable Entity as done for other invalid sides values.

Actual result:
- 200 OK in response.
- Triangle is added with sides equal zero.
- If 1 or 2 sides are zero: correct 422 error is returned.

Autotest	NotTrianglesSides

Summary	Non error response if calculate triangle's area/perimeter increasing float max value
Priority	Normal

Description	

Steps to reproduce:
- Add triangle with sides lengths to make area/perimeter increase float max value:

POST https://qa-quiz.natera.com/triangle
{
   "input": "Float.MAX_VALUE;Float.MAX_VALUE;Float.MAX_VALUE"
}

- Get triangle if from the response.
- Calculate area/perimeter of the added triangle.

GET https://qa-quiz.natera.com/triangle/{id}/perimeter
GET https://qa-quiz.natera.com/triangle/{id}/area

Expected result: error message that such area/perimeter cannot be calculated.

Actual result: request returns 200 OK with { "result": "Infinity" } payload.

Autotest	CountGreaterLengths

Summary	Limit of adding triangles increases expected (11 instead of 10)
Priority	Normal

Description	

Steps to reproduce:
- Add maximum number of triangles allowed (10).
- Add 1 more triangle:

POST https://qa-quiz.natera.com/triangle
{
   "input": "2;3;4"
}

Expected result: error message 422 Unprocessable Entity with message «Limit Exceeded».

Actual result:
- 200 OK response and triangle is added.
- 11 triangles can be added, when add 12th get corresponded error message.

Autotest	CreationLimits.errorIfExceedMaxCount()

Summary	500 when add triangle with incorrect field name in body but valid JSON
Priority	Normal
Description	

Steps to reproduce:

• Add triangle with incorrect field name in body but valid JSON:
POST https://qa-quiz.natera.com/triangle
{
  "incorrectFieldName": "2;3;4"
}
 	
Expected result: 400 Bad Request error.
 	
Actual result: 500 Internal Server Error with NullPointerException:
{
  "timestamp": 1603107726620,
  "status": 500,
  "error": "Internal Server Error",
  "exception": "java.lang.NullPointerException",
  "message": "No message available",
  "path": "/triangle"
}

Autotest	CreateWithInvalidPayloadFields.shouldReturnErrorIfInvalidPayload() 1st parameter

Summary	Non-error status code if add triangle passing more than 3 sides
Priority	Normal
Description	

Steps to reproduce:

• Add triangle passing more than 3 sides in resquest's body:
POST https://qa-quiz.natera.com/triangle
{
  "input": "2;3;4;2"
}
 	
Expected result: 400 Bad Request error or specific error for with separate message for such cases.
 	
Actual result:
• 200 OK in response.
• Triangle is created taking first 3 values as its sides.

Autotest	CreateWithInvalidPayloadFields.shouldReturnErrorIfInvalidPayload() 4th parameter

Summary	200 OK status code if delete non-existing triangle
Priority	Normal
Description	

Steps to reproduce:
  • Delete triangle with non-existing id:
DELETE https://qa-quiz.natera.com/triangle/{non_existing_id}

Expected result: 404 Not Found or 204 No Content status code in response.

Actual result: 200 OK status code in response.

Autotest	GetNonExistingTriangle.shouldIfNonExistingId() 2nd parameter

Summary	Typo "NotFounException" in 404 payload "exception" field value
Priority	Normal
Description	

Steps to reproduce:
  • Get triangle with non-existing id:
GET https://qa-quiz.natera.com/triangle/{non_existing_id}

Expected result: "exception" field correct value without typos.

Actual result: "exception" field in response has "com.natera.test.triangle.exception.*NotFounException*" (missed «d»).

Autotest	GetNonExistingTriangle

Summary	No message in response for 401 Unauthorized error
Priority	Normal
Description	

Steps to reproduce:
- Make any request without authorization token.

Expected result: 401 with corresponding message in response.

Actual result: "message": "No message available".
```
{
   "timestamp": 1603109638757,
   "status": 401,
   "error": "Unauthorized",
   "message": "No message available",
   "path": "/triangle/all"
}
```

Autotest	InvalidRequest.errorIfUnauthorizedRequest()

Summary	No message in response to non-existing path
Priority	Normal
Description	

Steps to reproduce:
- Make request to any non-existing path.
GET https://qa-quiz.natera.com/triangle/nonexists

Expected result: 404 with corresponding message in response.

Actual result: "message": "No message available".
```
{
   "timestamp": 1603109882240,
   "status": 404,
   "error": "Not Found",
   "message": "No message available",
   "path": "/nonexists"
}
```

Autotest	InvalidRequest.errorNonExistingPath()