

Vanier College
Computer Science Department
Web Services 420-551-VA Section 00002

Quality Assurance Report
Sports-api
Team leader: Uraib Ahmed Lakhani

Teacher: Sleiman Rabah

Team Members:
Dinal Patel
Craig Justin Balibalos
Jonathan Dimitriu

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Problem description

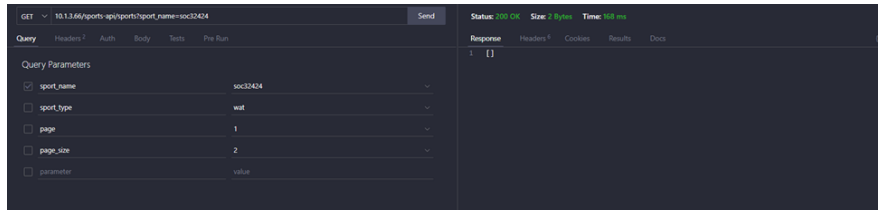
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Team Member: Justin

Resource: /sports

Problem: GET with invalid sport_name filter

Screenshot:

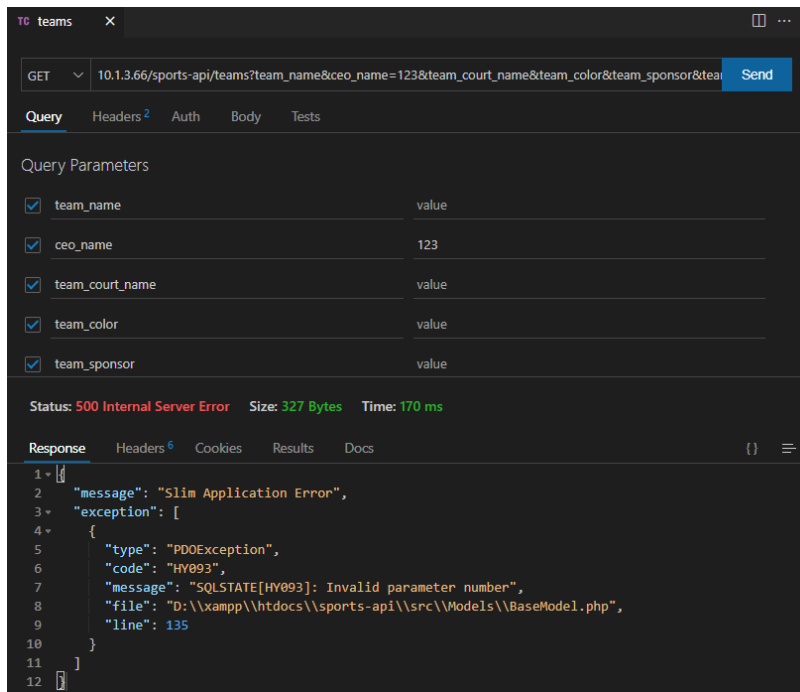


Team Member: Jonathan

Resource: /teams

Problem: GET with invalid ceo_name with all parameters.

Screenshot:



Problem: Get team_sponsor don't work, can't get all the sponsors

Screenshot:

GET

10.1.3.66/sports-api/teams?team_sponsor=Nike

Query

Headers 2

Auth

Body

Tests

Query Parameters

<input type="checkbox"/>	team_name	value
<input type="checkbox"/>	ceo_name	value
<input type="checkbox"/>	team_court_name	value
<input type="checkbox"/>	team_color	value
<input checked="" type="checkbox"/>	team_sponsor	Nike

Status: 500 Internal Server Error

Size: 327 Bytes

Time: 158 ms

Response

Headers 6

Cookies

Results

Docs

1

2

3

4

5

6

7

8

9

10

11

12

```
{
  "message": "Slim Application Error",
  "exception": [
    {
      "type": "PDOException",
      "code": "HY093",
      "message": "SQLSTATE[HY093]: Invalid parameter number",
      "file": "D:\\xampp\\htdocs\\sports-api\\src\\Models\\BaseModel.php",
      "line": 135
    }
  ]
}
```

Team Member: Jonathan

Resource: /Players

Problem: POST with different type of data

Screenshot:

The screenshot shows a REST client interface with a POST request to `10.1.3.66/sports-api/players`. The request body is a JSON array containing one player object. The response is a 500 Internal Server Error with a detailed error message.

Request:

```
POST 10.1.3.66/sports-api/players
```

Body:

```
[
  {
    "country_id": "2",
    "team_id": "1",
    "player_name": "ollo",
    "age": 06,
    "gender": "Male",
    "height": 5.6,
    "weight": 50,
    "nbMatchPlayed": 3.2,
    "status": "inactive"
  }
]
```

Status: 500 Internal Server Error **Size:** 455 Bytes **Time:** 210 ms

Response:

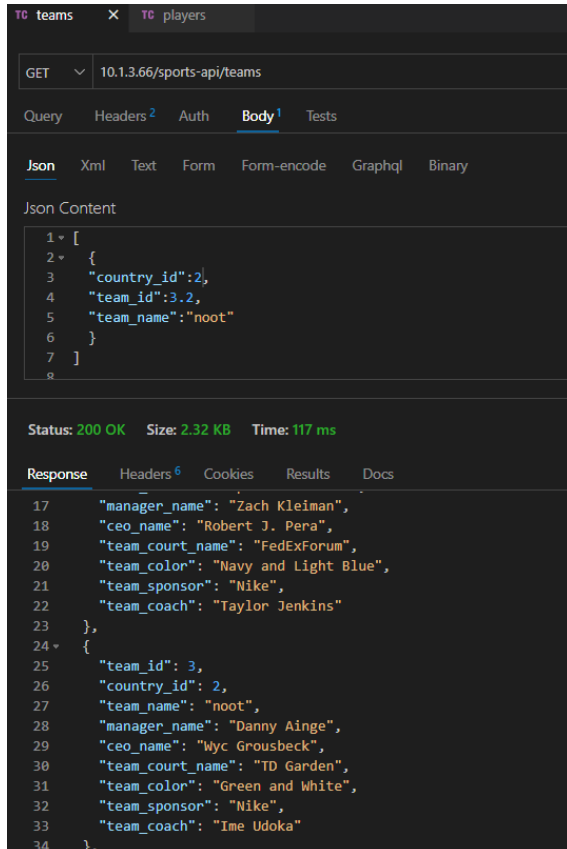
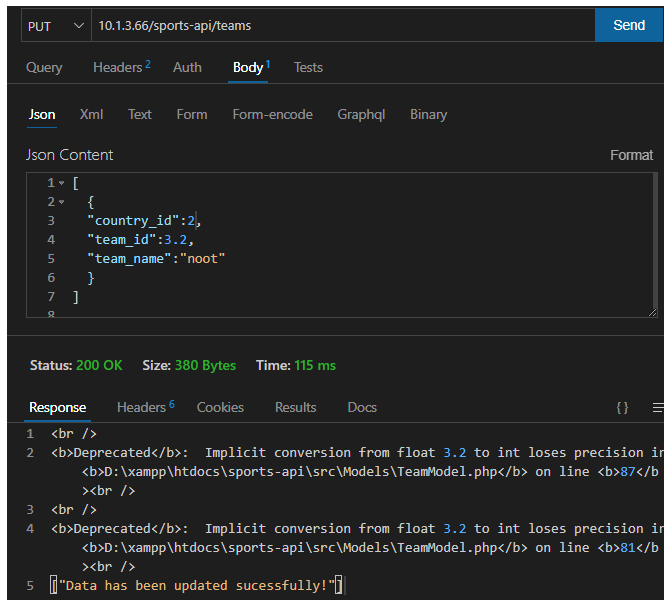
```
{
  "message": "Slim Application Error",
  "exception": [
    {
      "type": "TypeError",
      "code": 0,
      "message": "Slim\\Handlers\\Strategies\\RequestResponse::__invoke():
        Return value must be of type Psr\\Http\\Message\\ResponseInterface,
        null returned",
      "file": "D:\\xampp\\htdocs\\sports
        -api\\vendor\\slim\\slim\\Slim\\Handlers\\Strategies\\RequestResponse
        .php",
      "line": 43
    }
  ]
}
```

Team Member: Jonathan

Resource: /Teams

Problem: PUT with invalid ID still sends the data

Screenshot:

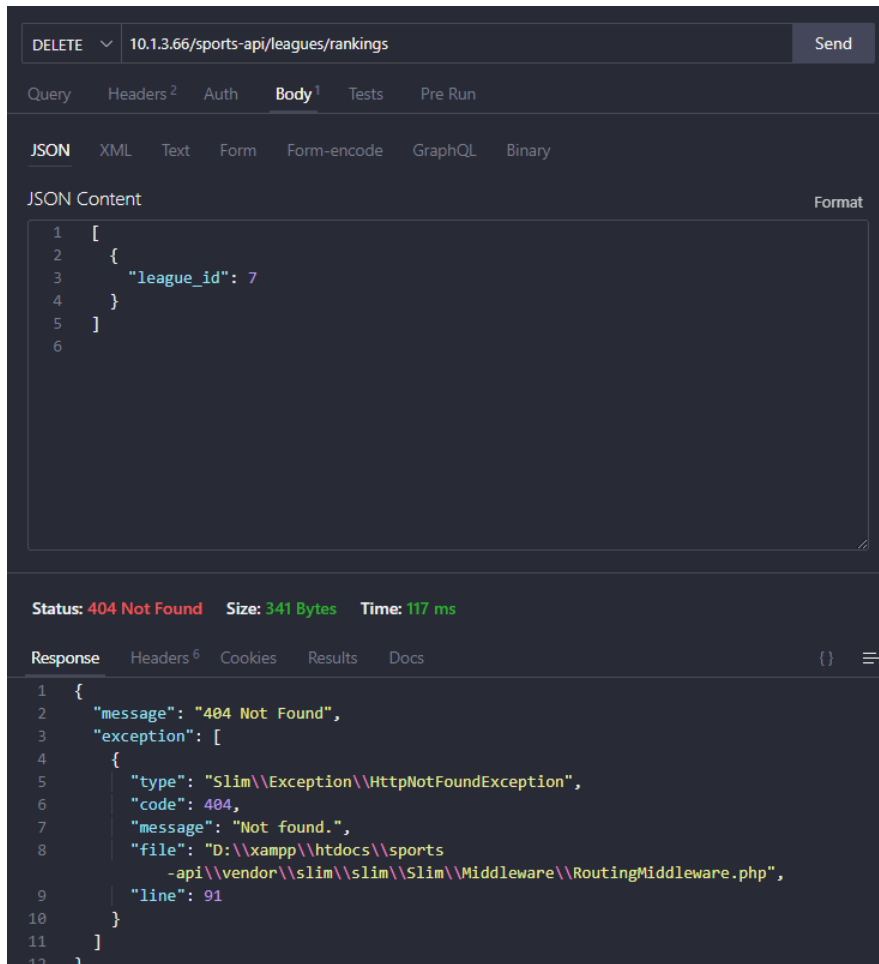


Team Member: Dinal

Resource: /rankings

Problem: DELETE not working, as shown in QA

Screenshot:

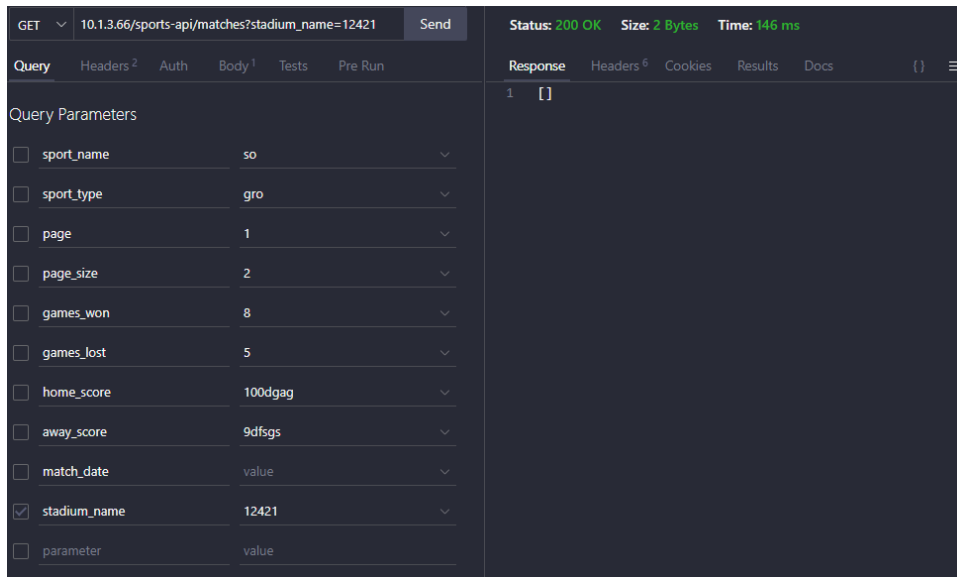


Team Member: Justin

Resource: /matches

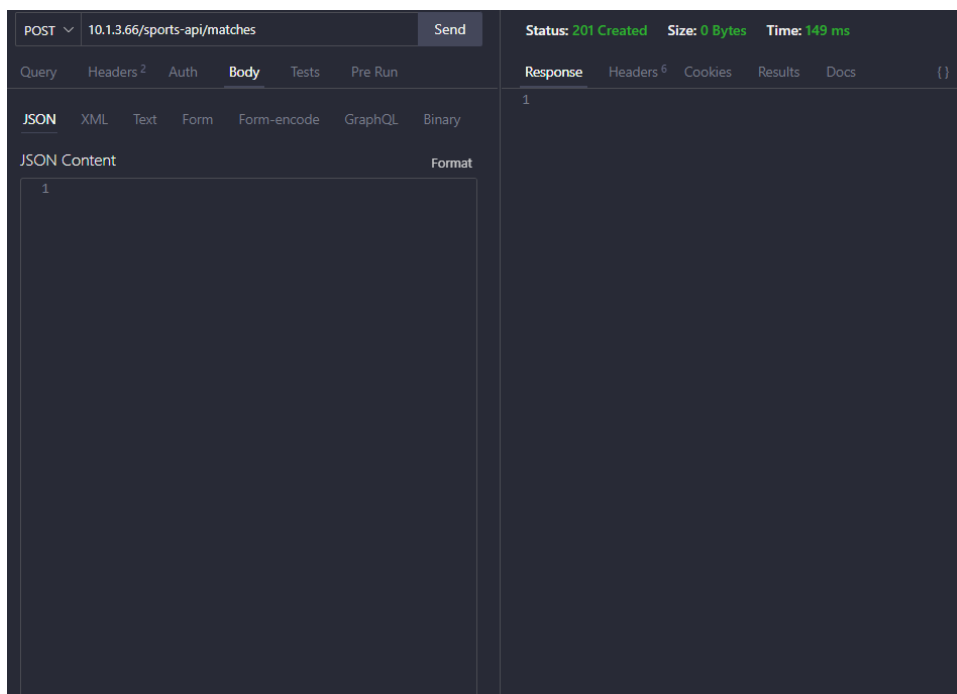
Problem: GET with invalid stadium_name filter

Screenshot:



Problem: POST with empty body

Screenshot:



Problem: POST with invalid inputs in body

Screenshot:

The screenshot shows a REST client interface with a POST request to `10.1.3.66/sports-api/matches`. The request body is a JSON array containing one object with various fields like `sport_id`, `country_id`, `league_id`, `home_team_id`, `away_team_id`, `home_score`, `away_score`, `match_date`, and `stadium_name`. The response is a 500 Internal Server Error with a JSON body indicating a PDOException due to a syntax error in the SQL query.

Request:

```
POST 10.1.3.66/sports-api/matches
```

Request Body (JSON):

```
[
  {
    "sport_id": "int",
    "country_id": "",
    "league_id": "int",
    "home_team_id": "int",
    "away_team_id": " ",
    "home_score": "int",
    "away_score": "int",
    "match_date": "date (Y-m-d)",
    "stadium_name": "String"
  }
]
```

Response:

```
{
  "message": "Slim Application Error",
  "exception": [
    {
      "type": "PDOException",
      "code": "42000",
      "message": "SQLSTATE[42000]: Syntax error or
        access violation: 1064 You have an error in
        your SQL syntax; check the manual that
        corresponds to your MariaDB server version
        for the right syntax to use near 'match
        (sport_id,country_id,league_id,home_team_id
        ,away_team_id,home_score,awa...' at line 1",
      "file": "D:\\xampp\\htdocs\\sports
        -api\\src\\Models\\BaseModel.php",
      "line": 134
    }
  ]
}
```

Team Member: Dinal

Resource: /league

Problem: GET nbOfTeams only accepts integer more than or equal to 3 but it only displays the record that starts with the specified value for nbOfTeams.

Screenshot:

GET 10.1.3.66/sports-api/leagues?nbOfTeams=1 Send

Query Headers² Auth Body¹ Tests Pre Run

Key	Value
match_date	value
stadium_name	12421
start_date	2023-03-22
end_date	2024-03-22
<input checked="" type="checkbox"/> nbOfTeams	1
organization	value
league_name	value
parameter	value

Status: 400 Bad Request Size: 46 Bytes Time: 147 ms

Response Headers⁶ Cookies Results Docs {}

```
1 {
2   "nbOfTeams": [
3     "NbOfTeams must be at least 3"
4   ]
5 }
```

GET

10.1.3.66/sports-api/leagues?nbOfTeams=3

Send

Query

Headers²

Auth

Body¹

Tests

Pre Run

☐ query_name

value

▼

☐ match_date

value

▼

☐ stadium_name

12421

▼

☐ start_date

2023-03-22

▼

☐ end_date

2024-03-22

▼

☒ nbOfTeams

3

▼

☐ organization

value

▼

☐ league_name

value

▼

☐ parameter

value

▼

Status: 200 OK

Size: 709 Bytes

Time: 120 ms

Response

Headers⁶

Cookies

Results

Docs

()

≡

1

[

2

{

3

"league_id": 1,

4

"sport_id": 1,

5

"start_date": "2023-03-22",

6

"end_date": "2024-03-22",

7

"nbOfTeams": 30,

8

"organization": "National Basketball Association",

9

"league_name": "NBA"

10

},

11

{

12

"league_id": 2,

13

"sport_id": 2,

14

"start_date": "2023-04-01",

15

"end_date": "2023-10-31",

16

"nbOfTeams": 30,

17

"organization": "Major League Baseball",

18

"league_name": "MLB"

19

},

Problem: GET with invalid organization filter

Screenshot:

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** 10.1.3.66/sports-api/leagues?organization=233
- Send Button:** Present
- Query Parameters:**

Parameter	Value
match_date	value
stadium_name	12421
start_date	2023-03-22
end_date	2024-03-22
nbOfteams	3
organization	233
league_name	value
parameter	value
- Status:** 200 OK
- Size:** 2 Bytes
- Time:** 141 ms
- Response Body:** []

Problem: GET with invalid league_name filter

Screenshot:

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** 10.1.3.66/sports-api/leagues?league_name=453
- Send Button:** Send
- Query Parameters:**

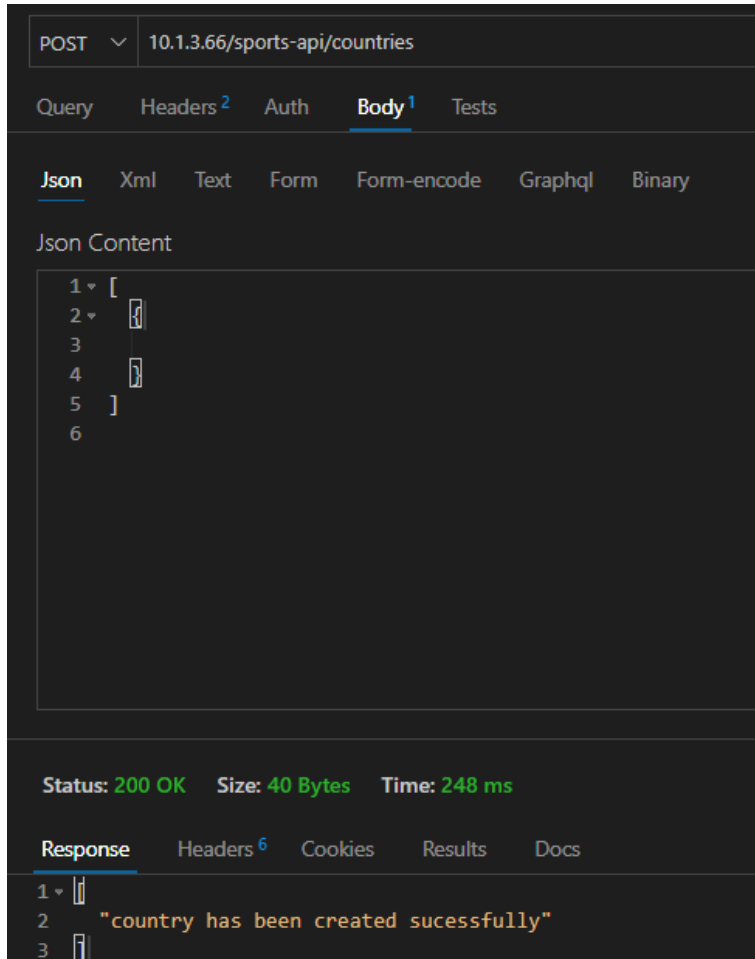
Parameter	Value
league_name	453
- Status:** 200 OK
- Size:** 2 Bytes
- Time:** 118 ms
- Response:** []

Team Member: Jonathan

Resource: /countries

Problem: POST Empty data still sends

Screenshot:



Team Member: Jonathan

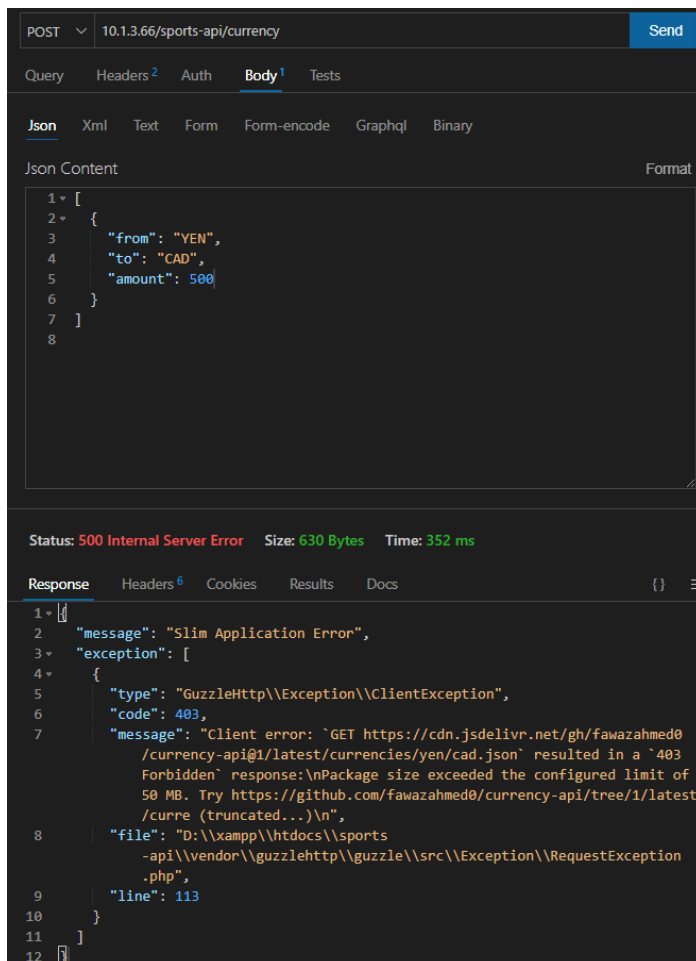
Resource: /currency

Problem: POST shows accept Double but only takes INT

HTTP Method	Resource URI	Inputs/Filtering operations
POST	/currency	Amount: double FromCurrency: double toCurrency: double

Problem: POST does not accept YEN to CAD + not matching error code

Screenshot:



Team Member: Jonathan

Resource: /account

Problem: POST does not work there is pdo exception

Screenshot:

The screenshot shows a web browser interface for a REST client. The URL bar shows a POST request to `10.1.3.200/sports-api/account`. The request body is a JSON object:

```
{
  "first_name": "Joe",
  "last_name": "Mama",
  "email": "joanna@fakeemail.com",
  "password": "ollo"
}
```

The response is a 500 Internal Server Error. The status bar indicates the size is 868 Bytes and the time is 1.63 s. The response body is a JSON object:

```
{
  "message": "Slim Application Error",
  "exception": {
    "type": "PDOException",
    "code": "42000",
    "message": "SQLSTATE[42000]: Syntax error or access violation: 1064 You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '0,created_at,password) VALUES (?,?,?)' at line 1",
    "file": "E:\\xampp\\htdocs\\sports-api\\src\\Models\\BaseModel.php",
    "line": 134
  }
}
```