Project: Transformers (API Restful)

This project was made based on Java8, SpringBoot, Junit

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Steps to build and start the project

- 1-) Go to GitHub through the link: https://github.com/marcosdeveloper/Transformers
- 2-) Download the project as ZIP;
- **3-)** Unzip the content;
- **4-)** Access the terminal/MS-DOS;
- **5-)** Go to the root folder of the project (where is the pom file and where the project was unzipped);
- **6-)** Execute the command: **mvn install**; It **builds** the project, installs all the dependencies and executes all the unit tests;
- **7-)** After that, execute the command: **mvn spring-boot:run**; It initializes the project on 8080 port;
- **8-)** If everything is ok, access the url: http://localhost:8080/swagger-ui.html. The Swager documentation of REST services will open.
- **9-)** Open Postman and do the call methods. Examples:

Using **Post** method and url: **localhost:8080/transformer/**, pass this JSON on the body of the request.

```
{
    "name": "Bluestreak",
    "teamMember": "A",
    "strenght": 6,
    "intelligence": 6,
    "speed":7,
    "endurance":9,
    "rank":5,
    "courage":2,
    "firepower":9,
    "skill":7
}
```

Using **Post** method and url: **localhost:8080/transformer/**, pass this JSON on the body of the request.

```
{
    "name": "Hubcap",
    "teamMember": "A",
    "strenght": 4,
    "intelligence": 4,
    "speed":4,
    "endurance":4,
    "rank":4,
    "courage":4,
```

```
"firepower":4,
     "skill":4
}
Using Post method and url: localhost:8080/transformer/, pass this JSON on the body of the
request.
{
     "name": "Soundwave",
     "teamMember": "D",
     "strenght": 8,
     "intelligence": 9,
     "speed":2,
      "endurance":6,
     "rank":7,
      "courage":5,
     "firepower":6,
     "skill":10
}
10-) To get the results after the battle, execute:
Get method and url: localhost:8080/battle
Then, the return should be:
{
  "numberOfBattles": 1,
  "winningTeam": "Decepticons",
  "listOfWinningTeam": [
    {
      "name": "Soundwave",
      "teamMember": "D",
      "strenght": 8,
      "intelligence": 9,
      "speed": 2,
      "endurance": 6,
      "rank": 7,
      "courage": 5,
      "firepower": 6,
      "skill": 10,
      "alreadyInTheBattle": true,
      "loserOrWinning": "W",
      "overallRating": 31
    }
  ],
  "losingTeam": "Autobots",
  "listOfSurvivalLosingTeam": [
      "name": "Hubcap",
```

```
"teamMember": "A",

"strenght": 4,

"intelligence": 4,

"speed": 4,

"endurance": 4,

"rank": 4,

"courage": 4,

"firepower": 4,

"skill": 4,

"alreadyInTheBattle": false,

"loserOrWinning": null,

"overallRating": 20

}

]
```