

Amusnet Challenge

In our current database, we are keeping the data of the last 100 players to use the system. Each player has the following properties:

```
id
name
surname
```

The players in our system regularly play different games by betting money. Each game activity is recorded and the following data is stored:

```
id
playerId
betAmount
winAmount
currency
```

In our scenario, each player has played 20 times, i.e. we have 20 different game activity entries stored.

The REST API of the Amusnet Gaming System that stores the information for the above players and game activities is hosted on the following url:

<https://challenge.dev.amusnetgaming.net>

The REST API specification can be accessed and invoked through the following url:

<https://challenge.dev.amusnetgaming.net/swagger-ui/index.html#/>

Challenge

Our task is to select the first 30 players and expose an API that would provide the player with the largest **Gross Gaming Revenue (GGR)**. GGR is a gaming metric that is used to evaluate the total **bet amount** made by a player **minus** the total **win amount**. This is calculated as follows:

$$\text{player GGR} = \text{total player bets} - \text{total player wins}$$

You are free to use any Java based technology as well as any 3rd party libraries to expose this endpoint.