

# Back-end Service Data

BE services	Requests	Request Schema	Resources	Response Schema
Products Service	GET		/products	Product_schema
	GET		/products/{category}	
	GET		/products/{product_id}	
	GET		/products/{product_id}/table	Table_Product_schema
	GET		/products/{product_id}/extra	Extra_Product_schema
MyProducts Service	GET	Product_schema	/myProducts/{user_id}	my_products schema
	PUT		/myProducts/{user_id}	
	DELETE		/myProducts/{user_id}/{product_id}	
News Service	GET		/news/{news_id}	News_schema
	GET		/news	List of News_schema
Statistics Service	GET		/statistics/positive	List of Stats schema
	GET		/statistics/negative	
	GET		/statistics/{stats_id}	Stats_schema
Feedback Service	GET		/feedbacks	Feedback_schema
	GET		/feedbacks/{feedback_id}	
	GET		/feedbacks/users/{user_id}	
	GET		/feedbacks/products/{product_id}	
	POST	Feedback_schema	/feedbacks/products/{product_id}	
Supermarket Service	GET		/supermarkets	Supermarket_schema
	GET		/supermarkets/{supermarket_id}	
	GET		/supermarkets/{supermarket_id}/categories	Category_schema
	GET		/supermarkets/{supermarket_id}/categories/{category}	List of Product_schema
Authentication Service	GET		/authentication/users	User_schema
	POST	User_schema	/authentication/users/	
	PUT	User_schema	/authentication/users/{user_id}	
	GET		/authentication/users/{user_id}	User_schema
	DELETE	User_schema	/authentication/users/{user_id}	

# Business Objects

```
Product schema = {
product_id = unique int,
display_image = string,
name = string,
store = string,
price = float,
producer = string,
food = string,
age= string,
race= string,
origin= string
}
```

```
TableProduct schema = {
product_id = unique int,
desmame = float,
abate = float,
carcaça_weight = float,
carcaça_yield = int,
average_gains = float,
sale_price = float,
total_cost = float,
gross_margin = float
}
```

```
Extra Product schema = {
product_id = unique int,
gender = string,
detailed diet = string,
establishment = string,
treatment = string,
life = string,
diseases = string,
vet = string,
death = string
}
```

```
user schema = {
user_id = unique int,
username = string,
password = string,
email = string,
status = string,
list_feedback = [int],
my_products = [int]
}
```

```
stats schema = {
stats_id = unique int,
num_value = float,
description = string,
type: string,
representation = string,
}
```

```
categories schema = {
id = unique int,
name = string,
image = url,
products = [int]
}
```

```
News schema = {
news_id = unique int,
image - url,
title = string,
content = string,
date = Date,
publisher = string
}
```

```
myProducts schema = {
myproducts_id = unique int
products = [Product Schema]
}
```

```
feedback schema = {
feedback_id = unique id,
user_id = int,
username = string,
product_id = int,
evaluation = int
}
```

```
supermarket schema = {
id = unique int,
name = string,
city = string,
latitude = float,
longitude = float,
description = string,
categories = [int]
}
```

Note: product\_id are the same for each of these schemas!