

# Documentação do serviço REST

Grupo Nº	Curso	Semestre
	Licenciatura em Informática de Gestão	1º
Composição do Grupo		
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## GetAll Restaurants

Retorna todos os restaurantes.

- **URL:** api/restaurants
- **Method:** GET
- **URL Params**
- **Required:** None
- **Data Params** None

**Success Response: Code:** 200 message: "Array<Items> returned successfully!"

### Content:

```
{
  "message": "Array<Items> returned successfully!",
  "response": [
    {
      "restaurant_id": 1,
      "title": "Dote",
      "address": "Rua Barata Salgueiro 37A, 1250-042 Lisboa",
      "coordinates": "13.2365393,-8.81935",
      "average_price": 20,
      "minimal_reservation_fee": 15,
      "information": "Tem take away, Bar completo, Interior, Tem wifi, Opções vegetarianas, Menu de almoço, Esplanada, Super Bock Selecção 1927 disponível",
      "schedule": "Aberto todos os dias das 12:00-01:00\r\n",
      "kitchen": "Portuguesa e petiscos",
      "phone": 1,
      "img1": "https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80",
      "img2": "https://media.istockphoto.com/photos/two-empty-wine-glasses-sitting-in-a-restaurant-on-a-warm-sunny-picture-id1018141890?k=6&m=1018141890&s=612x612&w=0&h=_OmlYECOfO-VHY3eIzuJSPRXUXiFbeHHp3RUZGQoSQ=",
      "img3": "https://www.linguahouse.com/linguafiles/md5/d01dfa8621f83289155a3be0970fb0cb",
      "status": 0
    },
    {
      "restaurant_id": 14,
      "title": "Wine Hunters",
      "address": "R. Francisco Metrass 2, Lisboa 1350-138 Portugal",
      "coordinates": "36.8977574,-27.8334449,5z",
      "average_price": 10,
      "minimal_reservation_fee": 15,
      "information": "Reservas, Serviço de entrega, Comida para levar, Mesas ao ar livre, Lugares sentados, Estacionamento na rua, Televisão, Serve bebidas alcoólicas, Bebidas alcoólicas, Cerveja e vinho, Pagamentos digitais, Apenas dinheiro, Wi-Fi gratuito, Aceita cartão de crédito, Serviço de mesa.",
      "schedule": "Aberto todos os dias das 12:00-01:00",
      "kitchen": "GASTRONOMIA (Internacional, Mediterrâneo, Europeia, Portuguesa)",
      "phone": 215812333,
      "img1": "https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwfHwwfA%3D%3D&ixlib="
    }
  ]
}
```

rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","status":0},{ "restaurant\_id":15,"title":"Shish","address":"Praça dos Restauradores, 7 R/C, Lisboa 1250-187 Portugal","coordinates":"36.8977574,-27.8334449,5z","average\_price":15,"minimal\_reservation\_fee":10,"information":"Serviço de entrega, Comida para levar, Mesas ao ar livre, Lugares sentados, Serve bebidas alcoólicas, Wi-Fi gratuito, Aceita cartão de crédito.", "schedule":"Aberto todos os dias das 12:00-01:00","kitchen":"Libanês, Fast food, Mediterrâneo, Médio Oriente","phone":215812333,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","status":0},{ "restaurant\_id":16,"title":"Agulha No Palheiro","address":"Rua do Jardim do Tabaco 5, Lisboa 1100-286 Portugal","coordinates":"36.8977574,-27.8334449,5z","average\_price":7,"minimal\_reservation\_fee":5,"information":"Reservas, Lugares sentados, Serve bebidas alcoólicas, Bebidas alcoólicas, Aceita cartão de crédito, Serviço de mesa, Cerveja e vinho", "schedule":"Aberto todos os dias das 12:00-1:00","kitchen":"Mediterrâneo, Europeia, Saudável, Portuguesa, Contemporâneo, Fusão","phone":215812333,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","status":0},{ "restaurant\_id":17,"title":"Sanskar Nepal","address":"Rua das Chagas 25, Lisboa 1200-106 Portugal","coordinates":"36.8977574,-27.8334449,5z","average\_price":20,"minimal\_reservation\_fee":10,"information":"Comida para levar, Reservas, Lugares sentados, Televisão, Serve bebidas alcoólicas, Bebidas alcoólicas, Cerveja e vinho, Aceita American Express", "schedule":"Aberto todos os dias das 12:00-01:00","kitchen":"Indiana","phone":215812333,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","status":0},{ "restaurant\_id":18,"title":"Porter Bistro","address":"Rua do Arsenal 146, Lisboa 1100-041 Portugal","coordinates":"36.8977574,-27.8334449,5z","average\_price":20,"minimal\_reservation\_fee":10,"information":"Reservas, Refeições em privado, Lugares sentados, Tem cadeiras de papa, Acessível a cadeiras de rodas, Serve bebidas alcoólicas, Bebidas alcoólicas, Cerveja e vinho, Wi-Fi gratuito, Aceita cartão de crédito, Serviço de mesa", "schedule":"Aberto todos os dias das 12:00-01:00","kitchen":"Mediterrâneo, Europeia, Portuguesa","phone":212345789,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","status":0},{ "restaurant\_id":19,"title":"Grenache\r\n","address":"12 patio de dom Fradique, Lisboa 1100-624 Portugal","coordinates":"36.8977574,-

27.8334449,5z\r\n","average\_price":15,"minimal\_reservation\_fee":10,"information":"Reservas, Mesas ao ar livre, Refeições em privado, Lugares sentados, Serve bebidas alcoólicas, Wi-Fi gratuito, Aceita cartão de crédito, Serviço de mesa, Cerveja e vinho","schedule":"Aberto todos os dias das 12:00-01:00","kitchen":"Francesa, Mediterrâneo, Europeia, Internacional, Contemporâneo","phone":215812333,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","status":0},{\"restaurant\_id\":20,\"title\":\"Jam Club\r\n\",\"address\":\"Travessa dos Inglesinhos N° 49, Lisboa 1200-222 Portugal\",\"coordinates\":\"36.8977574,-27.8334449,5z\",\"average\_price\":20,\"minimal\_reservation\_fee\":10,\"information\":\"Lugares sentados, Televisão, Serve bebidas alcoólicas, Cerveja e vinho, Wi-Fi gratuito, Música ao vivo\",\"schedule\":\"Aberto todos os dias das 12:00-01:00\",\"kitchen\":\"Bar, Portuguesa\",\"phone\":214567845,\"img1\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"img2\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"img3\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"status\":0},{\"restaurant\_id\":21,\"title\":\"Estamine Art Food Drink\r\n\",\"address\":\"Calçada do Monte 86 A Não, Lisboa 1170-251 Portugal\",\"coordinates\":\"36.8977574,-27.8334449,5z\",\"average\_price\":15,\"minimal\_reservation\_fee\":5,\"information\":\"Reservas, Lugares sentados, Estacionamento na rua, Acessível a cadeiras de rodas, Serve bebidas alcoólicas, Bebidas alcoólicas, Apenas dinheiro, Cerveja e vinho, Serviço de mesa\",\"schedule\":\"Aberto todos os dias das 12:00-01:00\",\"kitchen\":\"Bar, Pub, Saudável, Brasileira\",\"phone\":215812333,\"img1\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"img2\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"img3\":\"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\",\"status\":0},{\"restaurant\_id\":22,\"title\":\"A Nossa Casa\",\"address\":\"Rua da Atalaia 31 Bairro Alto, Lisboa 1200-037 Portugal\",\"coordinates\":\"36.8977574,-

## Error Response:

- **Code:** 401 message: 'Failed to return list of items'

## • Sample Call:

```

fetch(_base_api_url + "/restaurants/").then(res => res.json()).then((response) => {
  let template = "";
  let list = [...response.response];
  list = list.slice(0, 9);
  list.forEach((item) => {
    item["information"] = `${item.information}`.slice(0, 60);
    template += restaurant_template(item);
  });
});
  
```

## Get Restaurant by id

Retorna um restaurante pelo id

- **URL:** api/restaurants/id
- **Method:** GET
- **URL Params**

**Required:**

Restaurantid=[integer]

- **Data Params:** None

**Success Response: Code:** 200 message:"Item was fetched!"

**Content:** {"restaurant\_id":1,"title":"Dote","address":" Rua Barata Salgueiro 37A, 1250-042 Lisboa","coordinates":"13.2365393,-8.81935","average\_price":20,"minimal\_reservation\_fee":15,"information":"Tem take away, Bar completo, Interior,Tem wifi, Opções vegetarianas, Menu de almoço, Esplanada, Super Bock Seleção 1927 disponível","schedule":"Aberto todos os dias das 12:00-01:00\r\n","kitchen":"Portuguesa e petiscos","phone":1,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFiY2h8MXx8cmVzdGF1cmFudHxlbmwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://media.istockphoto.com/photos/two-empty-wine-glasses-sitting-in-a-restaurant-on-a-warm-sunny-picture-id1018141890?k=6&m=1018141890&s=612x612&w=0&h=\_OmlYECoxfO-VHY3eIzuJSPRXUXiFbeHHp3RUZGQoSQ=","img3":"https://www.linguahouse.com/linguafiles/md5/d01dfa8621f83289155a3be0970fb0cb","status":0},"status":200}

- **Error Response:**
  - **Code:** 401 message: 'Failed to fetch item'
- **Sample Call:**

```
• fetch(_base_api_url + `/restaurants/${id}`, { mode: "cors", method: "GET" }).then(
  res => res.json()).then((response) => {
•   console.log("Response of Data ::: ", response);
•   restaurant = response.response;
•   coordinates = restaurant.coordinates;
•   document.getElementById("explore").innerHTML = _template(restaurant);
•   return id;
• })
```

## PostBookings

Realiza uma reserva

- **URL:** api/bookings
- **Method:** Post
- **URL Params**

**Required:**

```
Data Params
client_id
restaurantTable_id
reservation_date
reservation_time
client_name
client_phone
client_email
```

- **Success Response: Code:** 200 message: 'Item was created!'

**Content:** {"client\_id":0,"restaurantTable\_id":2,"reservation\_date":"2021-02-18","reservation\_time":"05:10","status":1,"booking\_id":1}, {"client\_id":0,"restaurantTable\_id":2,"reservation\_date":"2021-02-11","reservation\_time":"20:10","status":1,"booking\_id":2}, {"client\_id":0,"restaurantTable\_id":2,"reservation\_date":"2021-02-18","reservation\_time":"17:35","status":1,"booking\_id":3}, {"client\_id":0,"restaurantTable\_id":2,"reservation\_date":"2021-02-12","reservation\_time":"15:18","status":1,"booking\_id":4}, {"client\_id":0,"restaurantTable\_id":2,"reservation\_date":"2021-02-11","reservation\_time":"21:06","status":1,"booking\_id":5}], "status":200}

**Error Response:**

- **Code:** 401 message: 'Failed to create item'

- **Sample Call:**

```
• fetch(_base_api_url + "/bookings", { mode: "cors", method: "POST", body: JSON.stringify(request), headers: new Headers({ 'content-type': 'application/json' }) }).then((res) => {
•     alert("Success on Booking!", res);
•     console.log("Booking Emitted ::: ")
• }).catch((error) => {
•     console.log("Failed to emit booking ::: ", error);
•     alert("Failed to create booking!");
• }).finally(() => {
•     $("#make-reservation-modal").modal('hide');
• });
• }
```

## GetRestaurantTable

Retorna as mesas dos restaurantes

- **URL:** api/tables
- **Method:** Get
- **URL Params**  
**Required:** None
- **Data Params:** None
- **Success Response: Code:** 200 message: 'Array«Items» return successfully!'

### Content:

```
{"restaurantTable_id":1,"nickname":"ScoopDough","ref":0,"max_occupation":100,"min_occupation":50,"description":"Mesas ao ar livre, Lugares sentados, Aceita cartão de crédito, Pagamentos digitais.", "location":0,"status":"","restaurant_id":"2"}, {"restaurantTable_id":2,"nickname":"Dote","ref":1,"max_occupation":100,"min_occupation":2,"description":"","location":0,"status":"","restaurant_id":"1"}], "status":200}
```

### Error Response:

- **Code:** 401 message: "Failed to return list of items"
- **Sample Call:**

```
• await fetch(_base_api_url + `/tables/restaurant/${id}`, { mode: "cors", method: "GET" }).then(res => res.json()).then((response) => {
•     restaurant["tables"] = response.response;
•     let _tables = response.response;
•     let _template = ``;
•     _tables.forEach((table) => {
•         _template += `<option value='${table.restaurantTable_id}'>Mesa
    ${table.min_occupation} -> ${table.max_occupation} Lugares</option>`;
•     });
•     document.getElementById("mr-table-selector").innerHTML = _template;
• });
```

## Get\_SearchRestaurant

Retorna todos os restaurantes que inclua o texto pesquisado pelo utilizador

- **URL:** api/restaurants/search/:search/:location

- **Method:** Get

- **URL Params**

**Required:** None

- **Data Params:** None

- **Success Response: Code:** 200 message: 'Array<Items> returned successfully!'

**Content:** {"restaurant\_id":1,"title":"Dote","address":" Rua Barata Salgueiro 37A, 1250-042 Lisboa","coordinates":"13.2365393,-8.81935","average\_price":20,"minimal\_reservation\_fee":15,"information":"Tem take away, Bar completo, Interior,Tem wifi, Opções vegetarianas, Menu de almoço, Esplanada, Super Bock Seleção 1927 disponível","schedule":"Aberto todos os dias das 12:00-01:00\r\n","kitchen":"Portuguesa e petiscos","phone":1,"img1":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWZyY2h8MXx8cmVzdGF1cmFudHxlbmwHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://media.istockphoto.com/photos/two-empty-wine-glasses-sitting-in-a-restaurant-on-a-warm-sunny-picture-id1018141890?k=6&m=1018141890&s=612x612&w=0&h=\_OmlYECoxfO-VHY3eIzuJSPRXUXiFbeHHp3RUZGQoSQ=","img3":"https://www.linguahouse.com/linguafiles/md5/d01dfa8621f83289155a3be0970fb0cb","status":0}

**Error Response:**

- **Code:** 401 message: "Failed to return list of items"

- **Sample Call:**

```
• fetch(_base_api_url + `/restaurants/search/${(search && search != '' && search) || '-'}/${(location && location != '' && location) || '-'}').then(res => res.json()).then((response) => {
•   let template = "";
•   let list = [...response.response];
•   list = list.slice(0, 9);
•   list.forEach((item) => {
•     item["information"] = `${item.information}`.slice(0, 60);
•     template += restaurant_template(item)
•   });
•   document.getElementById("content-view").innerHTML = template;
• })
```