**Documentação do serviço REST**

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| **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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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},{"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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80\r\n","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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 Nº 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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img2":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%3D%3D&ixlib=rb-1.2.1&w=1000&q=80","img3":"https://images.unsplash.com/photo-1414235077428-338989a2e8c0?ixid=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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:**

**S**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 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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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 Para**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\_occuptation} -> ${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 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=MXwxMjA3fDB8MHxzZWFyY2h8MXx8cmVzdGF1cmFudHxlbnwwfHwwfA%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;
* })