

## Pizza Government API Specifications:

### Version: 1.0 (7 May 2021)

- Initial version of the specification

### Version: 1.1 (22 June 2021)

- Simplifying “pizzas” array from order POST body. (only pizza ID’s instead of notes per pizza).
- Add “note” to order POST body.
- Change “customer\_id” to “order\_id” for “order/id” GET endpoint.

### Version: 1.2 (22 June 2021)

- “id” in GET order endpoint renamed to “order\_id” to remain consistent with the other order endpoints.

<url>/api/v1/<endpoint> e.g https://mydomain.com/api/v1/order/54

Endpoints:

## Pizza endpoint:

### GET /pizza

#### Description:

Returns all pizza’s that the restaurant offers.

- **Body:**  
None
- **Response:**  
**200: Success**  
{  
 [  
 {  
 “pizza\_id”: 0,  
 “name”: “margarita”,  
 “vegetarian”: true,  
 “price”: 12.50  
 },  
 {  
 “pizza\_id”: 1,  
 “name”: “meatlovers”,  
 “vegetarian”: false,  
 “price”: 15.75  
 },  
 ...  
 ]  
}

```
]
}
```

## GET /pizza/{pizzaID}

- Description: "Find a pizza by the ID of the pizza", (input: pizza\_id) (return toppings in pizza, price and if it is vegetarian or not)
- Parameters: integer id of the pizza
- Body: None
- Response:  
**200: Success**

```
{
  "pizza_id": 0,
  "name": "margarita",
  "vegetarian": true,
  "price": 12.50
  "toppings":
    [
      "Mozzarella",
      "Tomatoes",
      "Basil"
    ]
}
```

**404: Pizza ID not found in server database**

```
{
  "message": "Pizza not found",
}
```

## Order endpoint:

## GET /order/{order\_id}

Description: "Get the order by the order ID",

- Response:  
**200 : Success**

```
{
  [
    {
      "order_id": 1,
      "customer_id": "123456",
```

```

        "status": "In Progress",
        "ordered_at": "2021-05-07 08:50:53",
        "note": "something",
        "takeaway": false,
        "payment_type": "cash",
        "delivery_address": {
            "street": "something",
            "city": "something",
            "country": "something",
            "zipcode": "something"
        }
    },
    "pizzas": [
        [
            {
                "pizza_id": 0,
                "name": "margarita",
                "vegetarian": true,
                "price": 12.50
            },
            {
                "pizza_id": 1,
                "name": "meatlovers",
                "vegetarian": false,
                "price": 15.75
            },
            ...
        ],
        ...
    ],
    ...
}

```

#### **404: Order\_ID not found**

```

{
    "message": " Order_ID not found",
}

```

#### **400: Invalid ID supplied**

```

{
    "message": " Invalid ID supplied",
}

```

## POST /order

- Description: Submits a new order to the restaurant; the format of the order is given below
- Body:

```
{
  "pizzas": [1, 1, 5, 4, ...],
  "takeaway": true,
  "payment_type": "CreditCard",
  "customer_id": 0,
  "note": "something",
  "delivery_address": {
    "street": "something",
    "city": "something",
    "country": "something",
    "zipcode": "something"
  }
}
```

- Response:

**200: Success**

```
{
  "order": {
    "order_id": 0,
    "ordered_at": "2012-04-23T18:05:32.511Z",
    "status": "In Progress",
    ...
  },
  "ordered_at": "2012-04-23T18:05:32.511Z",
  "delivery_time": "2012-04-23T18:25:43.511Z"
}
```

**400: Invalid body**

```
{
  "message": "The format of the object is not valid"
}
```

## PUT /order/cancel/{order\_id} (input: order ID, status: "cancelled")

- Description: Cancels an order with a given order ID
- Parameters: order ID
- Response:

**200: Success**

```
{
  "order_id": 0,
```

```

        "status": "cancelled",
        ...
    }
412: Cancellation cannot be performed because 5 minutes has elapsed from order time
    {
        "message": "Unable to cancel your order after 5 minutes have elapsed."
    }
422: Cancellation failed because it has already been cancelled or delivered.
    {
        "message": "Unable to cancel an already canceled or delivered order",
    }
404: Order ID not found in server database
    {
        "message": "Order not found",
    }

```

**GET /order/deliverytime/{order\_id}** (input: order ID) (return: time left until pizza is delivered)

- Description: Gets the estimated delivery time of an order with a given order ID
- Parameters: ID of order from which to get delivery time
- Body
- Response

**200: Success**

```

    {
        "order": {
            "pizzas": [ ... ],
            "ordered_at": "...",
            "status": "...",
            "customer_id": 0,
            ...
        },
        "delivery_time": "2021-04-23T18:25:43.511Z"
    }

```

**404: Order ID not found in server database**

```

    {
        "Message": "Order not found",
    }

```