Micro-Service Restaurant: Dining Service **OAS 3.0**

Dining Service Open API definition

Servers

/ - Without gateway

health ⌃

GET	/health	⌃

Parameters   **Try it out**

No parameters

Responses

Code	Description	Links
200	The Health Check is successful	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "status": "ok",
  "info": {
```

Code	Description	Links

```
      "database": {
        "status": "up"
      }
    },
    "error": {},
    "details": {
      "database": {
        "status": "up"
      }
    }
  }
```

503   The Health Check is not successful   *No links*

Media type

application/json

Example Value   Schema

```
{
  "status": "error",
  "info": {
    "database": {
      "status": "up"
    }
  },
  "error": {
    "redis": {
      "status": "down",
      "message": "Could not connect"
    }
  },
  "details": {
    "database": {
      "status": "up"
    },
    "redis": {
      "status": "down",
      "message": "Could not connect"
    }
  }
}
```

tables ︿

GET	`/tables`	︿

Parameters   **Try it out**

No parameters

Responses

Code	Description	Links
200		*No links*

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "_id": "string",
    "number": 1,
    "taken": true,
    "tableOrderId": "string"
  }
]
```

POST /tables ∧

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{
  "number": 1
}
```

Responses

Code	Description	Links

Code	Description	Links
201	The table has been successfully added.	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "_id": "string",
  "number": 1,
  "taken": true,
  "tableOrderId": "string"
}
```

Code	Description	Links
409	Table already exists	*No links*

Media type

application/json

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

GET   `/tables/{tableNumber}`   ∧

Parameters   Try it out

Name	Description
tableNumber * required number *(path)*	tableNumber

Responses

Code	Description	Links

Code	Description	Links
200		No links

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "_id": "string",
  "number": 1,
  "taken": true,
  "tableOrderId": "string"
}
```

Code	Description	Links
404	Table not found	No links

Media type

application/json

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

tableOrders ⌃

GET   `/tableOrders`   ⌃

Parameters   Try it out

No parameters

Responses

Code	Description	Links
200		No links

Media type

application/json

Controls `Accept` header.

Code	Description	Links

Example Value   Schema

```
[
  {
    "_id": "string",
    "tableNumber": 0,
    "customersCount": 0,
    "opened": "2026-01-12T15:35:05.628Z",
    "lines": [
      {
        "item": {
          "_id": "string",
          "shortName": "string"
        },
        "howMany": 0,
        "sentForPreparation": true
      }
    ],
    "preparations": [
      {
        "_id": "string",
        "shouldBeReadyAt": "string",
        "preparedItems": [
          {
            "_id": "string",
            "shortName": "string"
          }
        ]
      }
```

POST   /tableOrders   ⌃

Parameters   **Try it out**

No parameters

Request body *required*   **application/json**

Example Value   Schema

```
{
  "tableNumber": 1,
  "customersCount": 1
}
```

Responses

Code	Description	Links
201	The table has been successfully opened.	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
{
  "_id": "string",
  "tableNumber": 0,
  "customersCount": 0,
  "opened": "2026-01-12T15:35:05.631Z",
  "lines": [
    {
      "item": {
        "_id": "string",
        "shortName": "string"
      },
      "howMany": 0,
      "sentForPreparation": true
    }
  ],
  "preparations": [
    {
      "_id": "string",
      "shouldBeReadyAt": "string",
      "preparedItems": [
        {
          "_id": "string",
          "shortName": "string"
        }
      ]
    }
  ],
```

| 404 | Table not found | *No links* |

Media type

application/json

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

| 422 | Table is already taken | *No links* |

Media type

application/json

Example Value   Schema

Code	Description	Links

```
{
  "error": "string",
  "details": "string"
}
```

GET /tableOrders/{tableOrderId} ⌃

Parameters   [Try it out]

Name	Description
tableOrderId * required string *(path)*	[tableOrderId]

Responses

Code	Description	Links
200		*No links*

Media type

[**application/json**]

Controls `Accept` header.

Example Value   Schema

```
{
  "_id": "string",
  "tableNumber": 0,
  "customersCount": 0,
  "opened": "2026-01-12T15:35:05.633Z",
  "lines": [
    {
      "item": {
        "_id": "string",
        "shortName": "string"
      },
      "howMany": 0,
      "sentForPreparation": true
    }
  ],
  "preparations": [
    {
      "_id": "string",
```

Code	Description	Links

```
            "shouldBeReadyAt": "string",
            "preparedItems": [
              {
                "_id": "string",
                "shortName": "string"
              }
            ]
          }
```

404	Table order not found	*No links*

Media type

application/json

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

POST   /tableOrders/{tableOrderId}   ⌃

Parameters   **Try it out**

Name	Description
tableOrderId * required string *(path)*	tableOrderId

Request body required   **application/json**

Example Value   Schema

```
{
  "menuItemId": "string",
  "menuItemShortName": "string",
  "howMany": 1
}
```

Responses

Code	Description	Links
201	The menu item has been successfully added to the table order.	*No links*

Media type

```
application/json
```

Controls `Accept` header.

Example Value Schema

```
{
  "_id": "string",
  "tableNumber": 0,
  "customersCount": 0,
  "opened": "2026-01-12T15:35:05.636Z",
  "lines": [
    {
      "item": {
        "_id": "string",
        "shortName": "string"
      },
      "howMany": 0,
      "sentForPreparation": true
    }
  ],
  "preparations": [
    {
      "_id": "string",
      "shouldBeReadyAt": "string",
      "preparedItems": [
        {
          "_id": "string",
          "shortName": "string"
        }
      ]
    }
  ],
```

404	Table order not found	*No links*

Media type

```
application/json
```

Example Value Schema

```
{
  "error": "string",
  "details": "string"
}
```

422	TableOrder is already billed	*No links*

Media type

```
application/json
```

Example Value Schema

Code	Description	Links

```
{
  "error": "string",
  "details": "string"
}
```

POST   /tableOrders/{tableOrderId}/prepare   ⌃

Parameters   **Try it out**

Name	Description

tableOrderId * required

string

(path)

[tableOrderId]

Responses

Code	Description	Links
201	The menu items have been successfully sent for preparation.	*No links*

Media type

application/json

Controls `Accept` header.

Example Value   Schema

```
[
  {
    "_id": "string",
    "shouldBeReadyAt": "string",
    "preparedItems": [
      {
        "_id": "string",
        "shortName": "string"
      }
    ]
  }
]
```

404	Table order not found	*No links*

Media type

Code	Description	Links

application/json

Example Value　Schema

```
{
  "error": "string",
  "details": "string"
}
```

422	TableOrder is already billed	*No links*

Media type

application/json

Example Value　Schema

```
{
  "error": "string",
  "details": "string"
}
```

POST　　/tableOrders/{tableOrderId}/bill　　　　　　　　　　　　　　　　∧

Parameters　　　　　　　　　　　　　　　　　　　　　　　　　　**Try it out**

Name	Description
tableOrderId * required string *(path)*	tableOrderId

Responses

Code	Description	Links
200	The table has been successfully billed.	*No links*

Media type

application/json

Controls `Accept` header.

Code	Description	Links

Example Value   Schema

```
{
  "_id": "string",
  "tableNumber": 0,
  "customersCount": 0,
  "opened": "2026-01-12T15:35:05.639Z",
  "lines": [
    {
      "item": {
        "_id": "string",
        "shortName": "string"
      },
      "howMany": 0,
      "sentForPreparation": true
    }
  ],
  "preparations": [
    {
      "_id": "string",
      "shouldBeReadyAt": "string",
      "preparedItems": [
        {
          "_id": "string",
          "shortName": "string"
        }
      ]
    }
  ],
```

| 404 | Table order not found | *No links* |

Media type

```
application/json
```

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

| 422 | TableOrder is already billed | *No links* |

Media type

```
application/json
```

Example Value   Schema

```
{
  "error": "string",
  "details": "string"
}
```

Schemas ⌃

TableWithOrderDto {
   _id*   **string**
   number*   **number**
                            minimum: 1
   taken*   **boolean**
   tableOrderId*   **string**
}

TableNumberNotFoundException {
   error*   **string**
   details*   **string**
}

AddTableDto {
   number*   **number**
                            minimum: 1
}

TableAlreadyExistsException {
   error*   **string**
   details*   **string**
}

OrderingItem {
   _id*   **string**
   shortName*   **string**
}

OrderingLine {
    item*
                        OrderingItem {
                            _id*   string
                            shortName*   string
                        }
    howMany*   number
    sentForPreparation*   boolean
}

PreparedItemDto {
    _id*   string
    shortName*   string
}

PreparationDto {
    _id*   string
    shouldBeReadyAt*   string
    preparedItems*   [
                        minItems: 1
                        PreparedItemDto {
                            _id*   string
                            shortName*   string
                         }]
}

TableOrder {
  _id*   string
  tableNumber*   number
  customersCount*   number
  opened*   string($date-time)
  lines*   [**OrderingLine** {
    item*   **OrderingItem** {
      _id*   string
      shortName*   string
    }
    howMany*   number
    sentForPreparation*   boolean
  }]
  preparations*   [**PreparationDto** {
    _id*   string
    shouldBeReadyAt*   string
    preparedItems*   [
                                  minItems: 1
                                  PreparedItemDto {...}]
  }]
  billed*   string($date-time)
}

StartOrderingDto {
  tableNumber*   number
                                minimum: 1
  customersCount*   number
                                minimum: 1
}

TableAlreadyTakenException {
  error*   string
  details*   string
}

TableOrderIdNotFoundException   {
    error*****
                  string
    details*****
                  string
}

AddMenuItemDto   {
    menuItemId*****
                  string
    menuItemShortName*****
                  string
    howMany*****
                  number
                  minimum: 1
}

TableOrderAlreadyBilledException   {
    error*****
                  string
    details*****
                  string
}