

API Resources for Devices

Device/Device_Initialization

Maps the device to a particular table inside the restaurant.

Request URL

POST – http://localhost/

POST Parameters

deviceId – (Mandatory) – Unique identifier for every device.

tableNo – (Mandatory) – Table number that is given for every table.

Response parameters

failure	0	No error
	1	Some error occurred
errorMessage	String	Description of error

Example Response

```
<?xml version="1.0"?>
```

```
<initStatus failure="0" errorMessage=""></initStatus>
```

Menu/Insert_Menu_Category

Define categories for menu items, categories are stored

Request URL

POST – http://localhost/

POST Parameters

category – (Mandatory) – Name of the category.
priority – (Mandatory) – Priority for the category.

Response parameters

failure	0	No error
	1	Some error occurred

errorMessage	String	Description of error
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Example Response

```
<?xml version="1.0"?>
<insertMenuCategory failure="0" errorMessage=""></insertMenuCategory>
```

Menu/GetCategoryList

Get list of all categories that are served in the hotel.

Request URL

POST – http://localhost/

POST Parameters

None

Response parameters

failure	0	No error
	1	Some error occurred
errorMessage	String	Description of error
id	Integer	id for the category
categoryName	String	Name for the category

Example Response

```
<?xml version="1.0"?>
<CategoryList failure="0" errorMessage="">
    <Category id="1" categoryName="Starters"></Category>
    <Category id="2" categoryName="Fresh Juices"></Category>
    <Category id="3" categoryName="Main Course"></Category>
</CategoryList>
```

Menu/GetMenuListForCategory

Get a list of all menu items in the selected category

Request URL

POST – http://localhost/

POST Parameters

categoryId – (Mandatory) – Id for the category

Response parameters

failure	0	No error
	1	Some error occurred

errorMessage	String	Description of error
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id	Integer	Id of all the menu items in the selected category
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Example Response

```
<?xml version="1.0"?>
<menuList failure="0" errorMessage="">
    <menuItems id="1">
    <menuItems id="2">
</menuList>
```

Menu/Insert_Menu_Items

Inserting detailed information about dishes/menu items available in the restaurant.

Request URL

POST – http://localhost/

POST Parameters

menuName	– (Mandatory) – Name of the dish.
menuCategory	– (Mandatory) – Category for the dish.
menuDesc	– (Mandatory) – Short description about the dish.
menuImage1	– (Mandatory) – Image of dish with dimension 128x128.
menuImage2	– (Mandatory) – An image of the dish with dimension 300x300.
menuCalorieCount	– (Mandatory) – The calorie count of the dish.
menuCost	– (Mandatory) – Cost of the dish item.
cookingTime	– (Mandatory) – Cooking time for the item.
mCatId	– (Mandatory) – Category Id.

Response parameters

failure	0	No error
	1	Some error occurred
errorMessage	String	Description of error that caused 'failure' to be 1

Example Response

```
<?xml version="1.0"?>
<insertMenuDetails failure="0" errorMessage=""></insertMenuDetails>
```

Menu/Retrive_Menu_Items

Inserting detailed information about dishes/menu items available in the restaurant.

Request URL

POST – http://localhost/

POST Parameters

menuId – (Mandatory) – Id of the dish.

Response parameters

failure	0	No error
	1	Some error occurred

errorMessage	String	Description of error that caused 'failure' to be 1
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menuName	String	Name of the dish
menuDesc	String	Short description of the dish
menuCategory	String	Category for the dish
menuImage1	String	128x128 image for the dish to be showed in a list
menuImage2	String	300x300 image for the dish to be showed in full screen
menuCalorieCount	Integer	Calorie count for the dish
menuCost	Float	Cost
cookingTime	Integer	Cooking time in minutes

Example Response

```
<?xml version="1.0"?>
<getMenuDetails failure="0" errorMessage="">

  <menuItemDetail menuName="Pineapple fruit custard" menuDesc="A fine delicacy made from
  fresh pineapples" menuCategory="Starters"
  menuImage1="http://localhost/starters/pineapple_fruitcustard1.png"
  menuImage2="http://localhost/starters/pineapple_fruitcustard2.png" menuCalorieCount="300"
  menuCost="100" cookingTime="5"></menuItemDetail>

</getMenuDetails>
```

Customer/Occupy_Table

When the customer occupies the table, a couple of events are triggered, like, assigning a table to the customer and creating a new billId for the particular table.

Request URL

POST – http://localhost/

POST Parameters

tableNo – (Mandatory) – The table number that the customer has occupied.

Response parameters

failure	0	No error
	1	Some error occurred

errorMessage	String	Description of error that caused 'failure' to be 1
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bill_id	0	Some error occurred
	Integer	The bill id that was generated

Example Response

```
<?xml version="1.0"?>
<occupyTable failure="0" errorMessage="" bill_id="1"></ occupyTable>
```

Order/Generate_Order

As the customer keeps selecting the desired menu items, keep appending them to the generated bill id.

Request URL

POST – http://localhost/

POST Parameters

bill_id	– (Mandatory)	– The bill id that was generated.
menuId	– (Mandatory)	– The menu id for the selected menu item.
count	– (Mandatory)	– The number of dishes for the selected item.
instructions	– (Optional)	– Any instructions that the customer might give.

Response parameters

failure	0	No error.
	1	Some error occurred.
errorMessage	String	Description of error that caused 'failure' to be 1.
eta	0	Some error occurred.
	Integer	The estimated time for arrival in minutes.

Example Response

```
<?xml version="1.0"?>
<generateOrder failure="0" errorMessage="" eta="10"></generateOrder >
```


Customer/Vacate_Table

Generate a detailed bill for client.

Request URL

POST – http://localhost/

POST Parameters

bill_id – (Mandatory) – The bill id that was associated with the table.

Response parameters

failure	0	No error.
	1	Some error occurred.
errorMessage	String	Description of error that caused 'failure' to be 1.
totalCost	0	Some error occurred.
	Integer	The estimated time for arrival in minutes.
menuName	String	Name of the ordered menu item
cost	Integer	Individual cost of ordered menu item

Example Response

```
<?xml version="1.0"?>
<vacateTable failure="0" errorMessage="" totalCost="250">
    <menuItemCost menuName="Orange Juice" cost="100"></menuItemCost>
    <menuItemCost menuName="Veg. Crispy" cost="150"></menuItemCost>
</vacateTable>
```

Customer/Provide_Feedback

Allows the customer to rate the menu items ordered.

Request URL

POST – http://localhost/

POST Parameters

menuId – (Mandatory) – The menu id of the ordered item.

rating – (Mandatory) – rating for the ordered item.

Response parameters

failure	0	No error.
	1	Some error occurred.

errorMessage	String	Description of error that caused 'failure' to be 1.
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Example Response

```
<?xml version="1.0"?>
<provideFeedback failure="0" errorMessage=""></ provideFeedback>
```

Staff/Login

Enables staff to login and change settings.

Request URL

POST – http://localhost/

POST Parameters

username – (Mandatory) – The menu id of the ordered item.

password – (Mandatory) – rating for the ordered item.

Response parameters

failure	0	No error.
	1	Some error occurred.

errorMessage	String	Description of error that caused 'failure' to be 1.
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Example Response

```
<?xml version="1.0"?>
<staffLogin failure="0" errorMessage=""></ staffLogin>
```

App/Masters_Data

Enabling devices to fetch data from masters table by key-value access.

Request URL

POST – http://localhost/

POST Parameters

key – (Mandatory) – The key whose value has to be fetched.

Response parameters

failure	0	No error.
	1	Some error occurred.
errorMessage	String	Description of error that caused 'failure' to be 1.
value	String	Value for the key that was requested.

Example Response

```
<?xml version="1.0"?>
<mastersData failure="0" errorMessage="" value="Hotel Taj"></ mastersData>
```