# 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 |

## 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 |

|  |  |  |
| --- | --- | --- |
| id | Integer | Id of all the menu items in the selected category |

## 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 |

|  |  |  |
| --- | --- | --- |
| 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 |

|  |  |  |
| --- | --- | --- |
| bill\_id | 0 | Some error occured |
|  | 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. |

## 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. |

## 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>