**This API endpoint handles the client requests to create/populate new rows in the different tables of the database aside from the User and Code tables.**

## **Endpoint**

**POST** /data/addData

## **Request**

### **Headers**

* **Content-Type**: application/json

### **Body**

The request body must contain the following fields in JSON format:

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| table | String | Name of the table. The different names are provided below as well as the necessary fields for each table. |
| body | JSONArray | Depending on the table, the structure/fields of the JSON array will be different. This will include the actual data to be inserted. |

The following tables can be populated by this API and should include the following fields:

| “table” : | Fields in each JSON object within Body JSON array | Example:   * note: this represent a single row and thus a single JSON object in the possibly many objects in the array within the Body of the request. |
| --- | --- | --- |
| “ingredient” | “Email”  “Name”  “Amount”  “AmountUnits” | "Email": "ajwitt2@asu.edu",  "Name": "Chicken Breast",  "Amount": 40,  "AmountUnits": "lb" |
| “purchase” | “Email”  “DateTime”  “Location”  “Cost” | "Email": "ajwitt2@asu.edu",  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart”,  "Cost": 145.74 |
| “includes” | “Email”  “DateTime”  “Location”  “IngredientName”  “Price”  “Amount”  “AmountUnits” | "Email": "ajwitt2@asu.edu",  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart”,  “IngredientName”: “Chicken Breast”,  “Price”: 80.00,  “Amount”: 20,  “AmountUnits”: “lb” |
| “menuItem” | “Email”  “Name”  “Cost” | "Email": "ajwitt2@asu.edu",  "Name": "Garlic Herb Chicken with Rice",  "Cost": 9.99 |
| “sale” | “Email”  “StartDate”  “EndDate”  “Revenue” | “Email”: "ajwitt2@asu.edu",  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z”,  “Revenue”: 1048.38 |
| “sold” | “Email”  “StartDate”  “EndDate”  “Count”  “MenuName” | “Email”: "ajwitt2@asu.edu",  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z”,  “Count”: 60,  “MenuName”: “Garlic Herb Chicken with Rice” |
| “uses” | “Email”  “MenuName”  “IngredientName”  “Amount”  “AmountUnits” | “Email”: "[ajwitt2@asu.edu](mailto:ajwitt2@asu.edu)",  “MenuName”: “Garlic Herb Chicken with Rice”,  "IngredientName": "Chicken Breast",  “Amount”: 8,  “AmountUnits”: “oz” |
| “otherCost” | “Email”  “CostDate”  “CostName”  “CostCategory”  “Cost” | "Email": "ajwitt2@asu.edu",  "CostDate": "2024-10-24",  "CostName": "Labor Cost",  "CostCategory": "variable",  "Cost": 400.00 |

## **Response**

### **Success Response**

**HTTP Status Code**: 200 OK

#### **Response Body:**

{

"message": "<TABLENAME> inserted successfully"

}

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| message | String | A success message. |

### 

### **Error Responses**

#### **JSON request body was improperly formatted**

**HTTP Status Code**: 400 Bad Request

##### **Response Body:**

{

"error": "Input data must be an array of JSON objects"

}

#### **Server Error**

**HTTP Status Code**: 500 Internal Server Error

##### **Response Body:**

{

"error": "Failed to insert <TABLENAME>"

}

or

{

"error": "Server Error"

}

**This API endpoint handles the client requests to delete rows in the different tables of the database aside from the User and Code tables.**

## **Endpoint**

**POST** /data/deleteRow

## **Request**

### **Headers**

* **Content-Type**: application/json

### **Body**

The request body must contain the following fields in JSON format:

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| table | String | Name of the table. The different names are provided below as well as the necessary fields for each table. |
| body | JSONArray | Depending on the table, the fields of the JSON object will be different. This will include the actual data to be inserted. |

The following tables can be populated by this API and should include the following fields:

| “table” : | Fields in each JSON object within Body | Example: |
| --- | --- | --- |
| “ingredient” | “Email”  “Name” | "Email": "ajwitt2@asu.edu",  "Name": "Chicken Breast" |
| “purchase” | “Email”  “DateTime”  “Location” | "Email": "ajwitt2@asu.edu",  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart” |
| “includes” | “Email”  “DateTime”  “Location”  “IngredientName” | "Email": "ajwitt2@asu.edu",  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart”,  “IngredientName”: “Chicken Breast” |
| “menuItem” | “Email”  “Name” | "Email": "ajwitt2@asu.edu",  "Name": "Garlic Herb Chicken with Rice" |
| “sale” | “Email”  “StartDate”  “EndDate” | “Email”: "ajwitt2@asu.edu",  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z” |
| “sold” | “Email”  “StartDate”  “EndDate”  “MenuName” | “Email”: "ajwitt2@asu.edu",  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z”,  “MenuName”: “Garlic Herb Chicken with Rice” |
| “uses” | “Email”  “MenuName”  “IngredientName” | “Email”: "[ajwitt2@asu.edu](mailto:ajwitt2@asu.edu)",  “MenuName”: “Garlic Herb Chicken with Rice”,  "IngredientName": "Chicken Breast" |
| “otherCost” | “Email”  “CostDate”  “CostName” | "Email": "ajwitt2@asu.edu",  "CostDate": "2024-10-24",  "CostName": "Labor Cost" |

## **Response**

### **Success Response**

**HTTP Status Code**: 200 OK

#### **Response Body:**

{

"message": "<TABLENAME> deleted successfully"

}

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| message | String | A success message. |

**Server Error**

**HTTP Status Code**: 500 Internal Server Error

##### **Response Body:**

{

"error": "Failed to delete <TABLENAME>"

}

or

{

"error": "Server Error"

}

**This API endpoint handles the client requests to edit/update existing rows in the different tables of the database aside from the User and Code tables.**

## **Endpoint**

**POST** /data/editTable

## **Request**

### **Headers**

* **Content-Type**: application/json

### **Body**

The request body must contain the following fields in JSON format:

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| table | String | Name of the table. The different names are provided below as well as the necessary fields for each table. |
| body | JSON object | Depending on the table, the structure/fields of the JSON object will be different. This will include the actual data to be inserted. |

The following tables can be populated by this API and should include the following fields:

| “table” : | Fields in each JSON object within Body | * Example: |
| --- | --- | --- |
| “ingredient” | “Email”  “NewName”  “NewAmount”  “NewAmountUnits”  “Name” | "Email": "ajwitt2@asu.edu",  "NewName": "Chicken Breast",  "NewAmount": 41,  "NewAmountUnits": "lb",  "Name": "Chicken Breast" |
| “purchase” | “Email”  “NewDateTime”  “NewLocation”  “NewCost”  “DateTime”  “Location” | "Email": "ajwitt2@asu.edu",  "NewDateTime": "2024-10-01T10:23:45Z",  "NewLocation": “Walmart”,  "NewCost": 146.74,  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart” |
| “includes” | “Email”  “NewDateTime”  “NewLocation”  “NewIngredientName”  “NewPrice”  “NewAmount”  “NewAmountUnits”  “DateTime”  “Location”  “IngredientName” | "Email": "ajwitt2@asu.edu",  "NewDateTime": "2024-10-01T10:23:45Z",  "NewLocation": “Walmart”,  “NewIngredientName”: “Chicken Breast”,  “NewPrice”: 84.00,  “NewAmount”: 21,  “NewAmountUnits”: “lb”,  "DateTime": "2024-10-01T10:23:45Z",  "Location": “Walmart”,  “IngredientName”: “Chicken Breast” |
| “menuItem” | “Email”  “NewName”  “NewCost”  “Name” | "Email": "ajwitt2@asu.edu",  "NewName": "Garlic Herb Chicken with Rice",  "NewCost": 10.99  “Name": "Garlic Herb Chicken with Rice", |
| “sale” | “Email”  “NewStartDate”  “NewEndDate”  “NewRevenue”  “StartDate”  “EndDate” | “Email”: "ajwitt2@asu.edu",  “NewStartDate”: “2024-10-25T09:00:00Z”,  “NewEndDate”: “2024-10-25T17:00:00Z”,  “NewRevenue”: 1058.38  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z” |
| “sold” | “Email”  “NewStartDate”  “NewEndDate”  “NewCount”  “NewMenuName”  “StartDate”  “EndDate”  “MenuName” | “Email”: "ajwitt2@asu.edu",  “NewStartDate”: “2024-10-25T09:00:00Z”,  “NewEndDate”: “2024-10-25T17:00:00Z”,  “NewCount”: 61,  “NewMenuName”: “Garlic Herb Chicken with Rice”  “StartDate”: “2024-10-25T09:00:00Z”,  “EndDate”: “2024-10-25T17:00:00Z”,  “MenuName”: “Garlic Herb Chicken with Rice” |
| “uses” | “Email”  “NewMenuName”  “NewIngredientName”  “NewAmount”  “NewAmountUnits”  “MenuName”  “IngredientName” | “Email”: "[ajwitt2@asu.edu](mailto:ajwitt2@asu.edu)",  “NewMenuName”: “Garlic Herb Chicken with Rice”,  "NewIngredientName": "Chicken Breast",  “NewAmount”: 7,  “NewAmountUnits”: “oz”  “MenuName”: “Garlic Herb Chicken with Rice”,  "IngredientName": "Chicken Breast" |
| “otherCost” | “Email”  “NewCostDate”  “NewCostName”  “NewCostCategory”  “NewCost”  “CostDate”  “CostName” | "Email": "ajwitt2@asu.edu",  "NewCostDate": "2024-10-24",  "NewCostName": "Labor Cost",  "NewCostCategory": "variable",  "NewCost": 410.00  "CostDate": "2024-10-24",  "CostName": "Labor Cost" |

## **Response**

### **Success Response**

**HTTP Status Code**: 200 OK

#### **Response Body:**

{

"message": "<TABLENAME> updated successfully"

}

| **Field** | **Type** | **Description** |
| --- | --- | --- |
| message | String | A success message. |

### 

### **Error Responses**

#### **JSON request body was improperly formatted**

**HTTP Status Code**: 400 Bad Request

##### **Response Body:**

{

"error": "Input data must be an array of ingredients"

}

#### **Server Error**

**HTTP Status Code**: 500 Internal Server Error

##### **Response Body:**

{

"error": "Failed to update<TABLENAME>"

}

or

{

"error": "Server Error"

}