# Create Database Tables:

When Creating a new Module, if any additional tables need to be created, a JSON file containing the relevant table data would need to be created.

The JSON file, should be encapsulated within the following key:  
{“Tables” :

{  
 //Insert Table Data Within here.

}

}

Each Table should have two variables:

|  |  |
| --- | --- |
| TableName | String Containing the Table Name (The Module Name will be appended by us) |
| Columns | List Containing dictionaries for each row.  (See Below Row Data) |

When describing each column within a table it can have many different variables, this is dependent on the type of column it is. When describing a column, it should have the following rows:

|  |  |
| --- | --- |
| RowName | String Containing the Row Name |
| Type | Variable Type of The Column (Integer String ect.) |

Currently the application supports the following endpoints, and the type of value should be inputted as such:

|  |  |  |
| --- | --- | --- |
| Type | Description | How To Inputs |
| Integer |  | “Type” : “Integer” |
| String | A FIXED length string | “Type” : “String(length)” or “Type” : “String” |
| Float | A floating-point integer | “Type”: “Float(length)” or “Type”: “Float” |
| Date | A Date in the following format: YYYY-MM-DD | “Type”: “Date” |
| DateTime | A date Time Object in the following format YYYY-MM-DD HH:MM:SS | “Type”: “DateTime” |
| Boolean | A Boolean Variable | “Type”: “Boolean” |

*Length Should be a whole number. More Datatypes can be used*

There are other optional variables that can be added to describe how the row will interact. These are:

|  |  |  |  |
| --- | --- | --- | --- |
| Key | Description | Possible Inputs | Formating |
| PrimaryKey | The Column contains the Primary Key. | True | “PrimaryKey”: “True” |
| Unique | Column must contain only unique values | True | “Unique” : “True” |
| ServerDefault | The Default value that will be entered if value left blank | Any Value dependent on row datatype | “ServerDefault”:  “Value” |
| AutoIncrement | If blank increment +1 (Only for Integer types) | True | “AutoIncrement” : “True” |
| Nullable | Defines whether a column can be blank. | False | “Nullable” : “False” |
| ForeignKey | This Column is a Foreign Key | *\*TableName\*.\*TableColumn\** | “ForeignKey” : “Users.id” |

Once this is all created you should have something that looks someone like this:  
Text

Description automatically generated