OWL FRONT END/BACK END PROTOCOL DOCUMENT

This document describes the current the JSON object creation as the back end currently utilizes them.

# Input

Inputs shall take the form of the database fields in the PDF document. Fields which are not filled may be omitted.

**{“PlantId”:value,”Name”:”value”,”ColorFlower”:”value”,”ColorFoliage”:”value”,”ColorFruitSeed”:”value”,”TextureFoliage”:”value”,”Shape”:”value”,””Pattern”:”value”,”ImageURL”:”value”,”USState”:”value”,”Type”:”value”,”Description”:null}**

**Or**

**{ColorFlower”:”value” }**

Where any field can be used, not just ColorFlower.

# Output

## No entry:

The back end shall return closed brackets [] (empty list)

Example:

**[]**

## Single Entry:

The back end shall return a JSON object inside a list (an object enclosed in brackets)

Example:

**[{“PlantId”:value,”Name”:”value”,”ColorFlower”:”value”,”ColorFoliage”:”value”,”ColorFruitSeed”:”value”,”TextureFoliage”:”value”,”Shape”:”value”,””Pattern”:”value”,”ImageURL”:”value”,”USState”:”value”,”Type”:”value”,”Description”:null}]**

(Note description is currently always null).

## Multiple Entries

The back end shall return JSON objects delimited by a comma inside the list.

**[{“PlantId”:value,”Name”:”value”,”ColorFlower”:”value”,”ColorFoliage”:”value”,”ColorFruitSeed”:”value”,”TextureFoliage”:”value”,”Shape”:”value”,””Pattern”:”value”,”ImageURL”:”value”,”USState”:”value”,”Type”:”value”,”Description”:null},{“PlantId”:value,”Name”:”value”,”ColorFlower”:”value”,”ColorFoliage”:”value”,”ColorFruitSeed”:”value”,”TextureFoliage”:”value”,”Shape”:”value”,””Pattern”:”value”,”ImageURL”:”value”,”USState”:”value”,”Type”:”value”,”Description”:null}]**

## Error Condition

The back end shall return the message “Invalid Message!” in the event that it does not recognize the message.