

Display Products

Returns a list of products.

- **URL**
/api/v2/products
- **Method:**
GET
- **URL Params**
None
- **Data Params**
None
- **Success Response:**
 - Code: 200
 - Content: [{"Id":1,"Name":"Tomato soup","Category":"Groceries","Price":1.39},{ "Id":2,"Name":"Yo-yo","Category":"Toys","Price":3.75},{ "Id":3,"Name":"Hammer","Category":"Hardware","Price":16.99}]
- **Error Response:**
 - Code: 404 NOT FOUND
- **Sample Call:**

```
$.getJSON(uri)
  .done(function (data) {
    $.each(data, function (key, item) {
      $('<li>', { text: formatItem(item) }).appendTo($('#products'));
    });
  });
```

Get Products By ID

Returns details of products with corresponding ID.

- **URL**

/api/v2/products/:id

- **Method:**

GET

- **URL Params**

Required:

id=[integer]

- **Data Params**

None

- **Success Response:**

- Code: 200
- Content: {"Id":1,"Name":"Tomato soup","Category":"Groceries","Price":1.39}

- **Error Response:**

- Code: 404 NOT FOUND
- Content: {error: "Item not found."}

- **Sample Call:**

```
$.getJSON(uri + '/' + id)
  .done(function (data) {
    $('#product').text(formatItem(data));
  })
  .fail(function() {
    $('#product').text("Error: Item not found");
  });
```

Get Products By Category

Returns details of products with corresponding category.

- **URL**

/api/v2/products/:category

- **Method:**

GET

- **URL Params**

Required:

category=[string]

- **Data Params**

None

- **Success Response:**

- Code: 200
- Content: {"Id":1,"Name":"Tomato soup","Category":"Groceries","Price":1.39}

- **Error Response:**

- Code: 404 Not Found
- Content: {error: "Item not found."}

- **Sample Call:**

```
$.getJSON(uri + '/' + category)
  .done(function (data) {
    $('#product').text(formatItem(data));
  })
  .fail(function() {
    $('#product').text("Error: Item not found");
  });
```

Create Product

Adding new product to list of products.

- **URL**

/api/v2/products

- **Method:**

POST

- **URL Params**

None

- **Data Params**

```
{
  Category: "Groceries"
  Id: 5
  Name: "Corn"
  Price: 1.25
}
```

- **Success Response:**

- Code: 201 Created

- **Error Response:**

- Code: 400 Bad Request

- **Sample Call:**

```
$.ajax({
  method: 'POST',
  url: /api/v2/products,
  data: formdata,
  success: function () {
    alert("Item added successfully.");
    document.location.reload();
  },
  fail: function () {
    alert("Item unable to be added.");
  }
});
```

Update Product

Updating product, saving changes and displaying updated product in list of products.

- **URL**

/api/v2/products/:id

- **Method:**

PUT

- **URL Params**

id=[integer]

- **Data Params**

```
{
  Id: 1
  Category: "Groceries"
  Name: "Chicken soup"
  Price: 1.39
}
```

- **Success Response:**

- Code: 204 No Content

- **Error Response:**

- Code: 400 Bad Request

OR

- Code: 404 Not Found

- **Sample Call:**

```
$.ajax({
  method: 'PUT',
  url: /api/v2/products/1,
  data: formdata,
  success: function () {
    alert("Item updated successfully.");
    document.location.reload();
  },
  fail: function () {
    alert("Item unable to be updated.");
  }
});
```

Delete Product

Deleting product and removing product from list of products.

- **URL**

/api/v2/products/:id

- **Method:**

DELETE

- **URL Params**

id=[integer]

- **Data Params**

None

- **Success Response:**

- Code: 204 No Content

- **Error Response:**

- Code: 404 Not Found

- **Sample Call:**

```
$.ajax({
  method: 'DELETE',
  url: /api/v2/products/3,
  success: function () {
    alert("Item deleted successfully.");
    document.location.reload();
  }
});
```