

ASSIGNMENT-2

I. Pizza Menu CRUD APIs

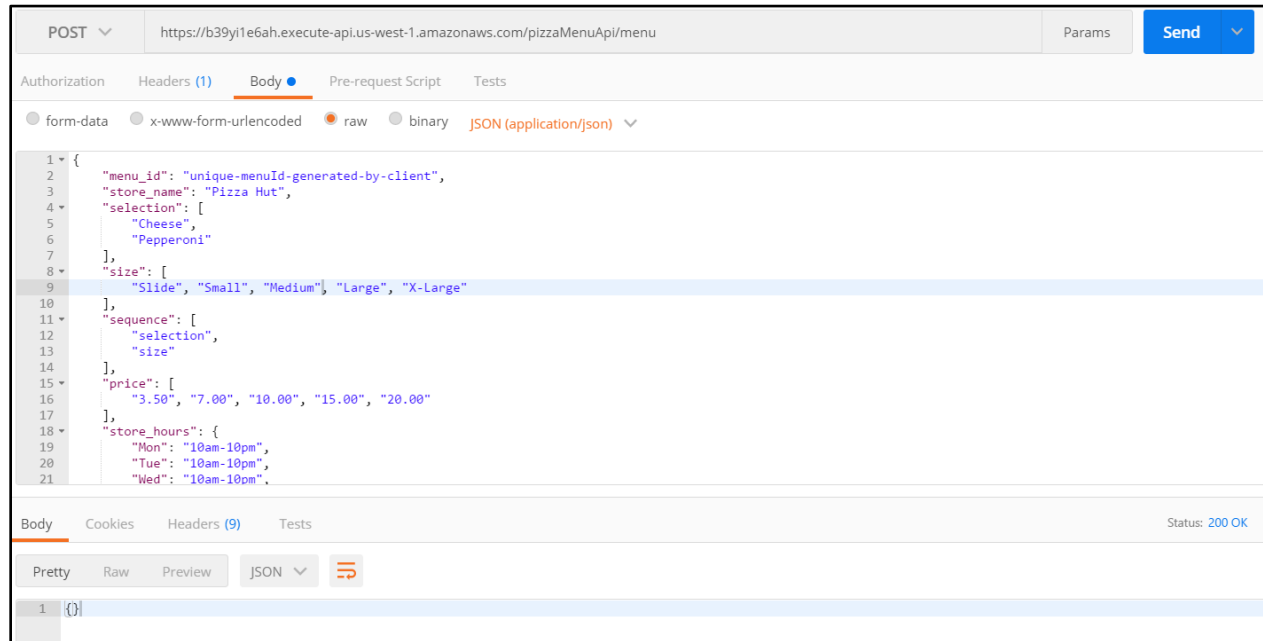
1. POST <https://b39yi1e6ah.execute-api.us-west-1.amazonaws.com/pizzaMenuApi/menu>

- **Request**

```
{
  "menu_id": "unique-menuld-generated-by-client",
  "store_name": "Pizza Hut",
  "selection": [
    "Cheese",
    "Pepperoni"
  ],
  "size": [
    "Slide", "Small", "Medium", "Large", "X-Large"
  ],
  "sequence": [
    "selection",
    "size"
  ],
  "price": [
    "3.50", "7.00", "10.00", "15.00", "20.00"
  ],
  "store_hours": {
    "Mon": "10am-10pm",
    "Tue": "10am-10pm",
    "Wed": "10am-10pm",
    "Thu": "10am-10pm",
    "Fri": "10am-10pm",
    "Sat": "11am-12pm",
    "Sun": "11am-12pm"
  }
}
```

- **Status Code: 200 OK**

- **POSTMAN output**



- **Database Image(pizzaStore table)**



2. GET <https://b39yi1e6ah.execute-api.us-west-1.amazonaws.com/pizzaMenuApi/menu/unique-menuId-generated-by-client>

- **Status Code: 200 OK**

- **Response Body:**

```

{
  "menu_id": "unique-menuId-generated-by-client",
  "store_name": "Pizza Hut",
  "selection": [
    "Cheese",
    "Pepperoni"
  ],
}

```

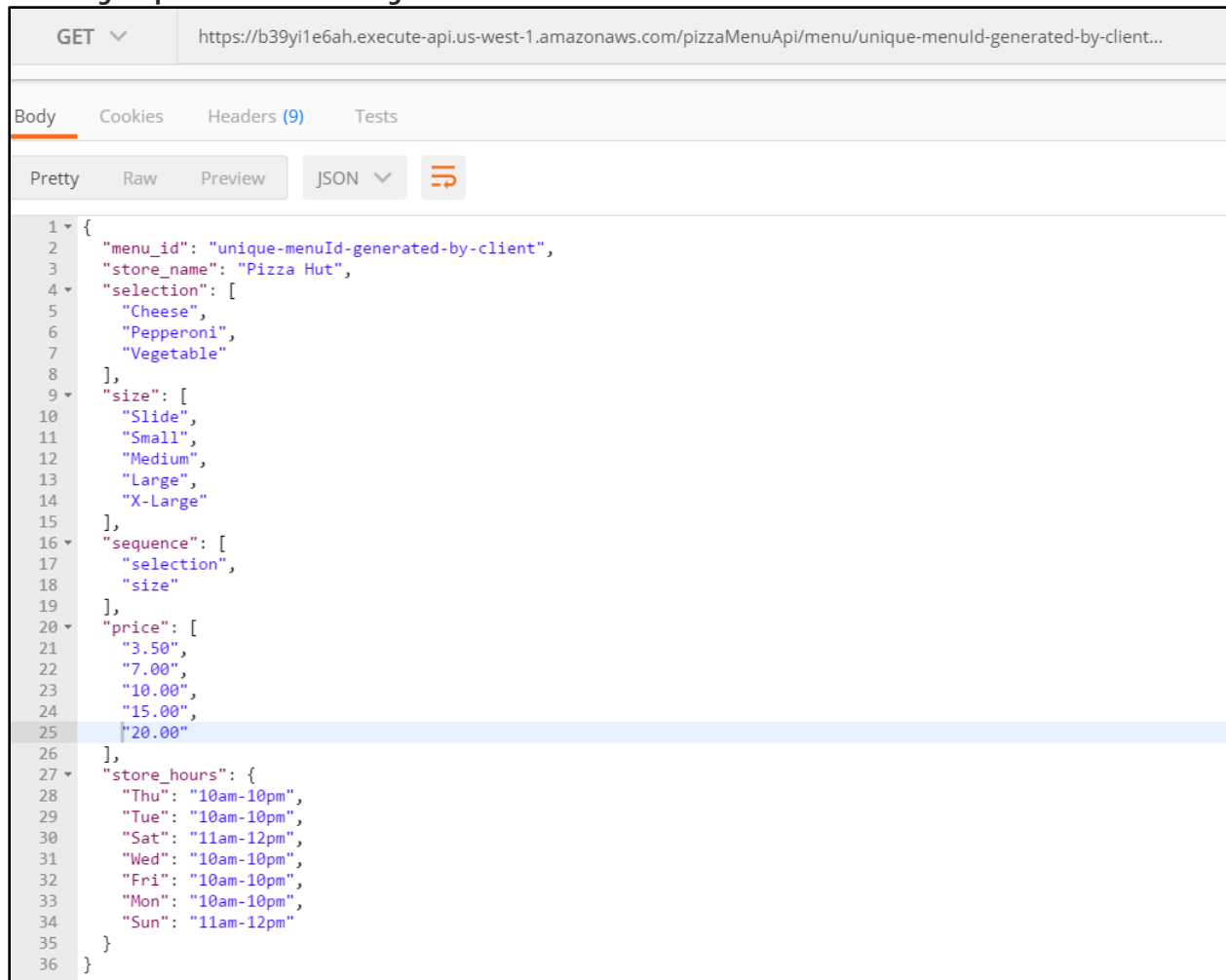
```
"size": [
  "Slide",
  "Small",
  "Medium",
  "Large",
  "X-Large"
],
"sequence": [
  "selection",
  "size"
],
"price": [
  "3.50",
  "7.00",
  "10.00",
  "15.00",
  "20.00"
],
"store_hours": {
  "Thu": "10am-10pm",
  "Tue": "10am-10pm",
  "Sat": "11am-12pm",
  "Wed": "10am-10pm",
  "Fri": "10am-10pm",
  "Mon": "10am-10pm",
  "Sun": "11am-12pm"
}
}
```

- **POSTMAN output**

The screenshot shows a Postman interface with a GET request to the URL: `https://b39yi1e6ah.execute-api.us-west-1.amazonaws.com/pizzaMenuApi/menu/unique-menuId-generated-by-client...`. The response is displayed in the 'Body' tab, showing a JSON object with the following structure:

```
1 {
2   "menu_id": "unique-menuId-generated-by-client",
3   "store_name": "Pizza Hut",
4   "selection": [
5     "Cheese",
6     "Pepperoni"
7   ],
8   "size": [
9     "Slide",
10    "Small",
11    "Medium",
12    "Large",
13    "X-Large"
14  ],
15  "sequence": [
16    "selection",
17    "size"
18  ],
19  "price": [
20    "3.50",
21    "7.00",
22    "10.00",
23    "15.00",
24    "20.00"
25  ],
26  "store_hours": {
27    "Thu": "10am-10pm",
28    "Tue": "10am-10pm",
29    "Sat": "11am-12pm",
30    "Wed": "10am-10pm",
31    "Fri": "10am-10pm",
32    "Mon": "10am-10pm",
33    "Sun": "11am-12pm"
34  }
35 }
```

GET Image captured after executing PUT



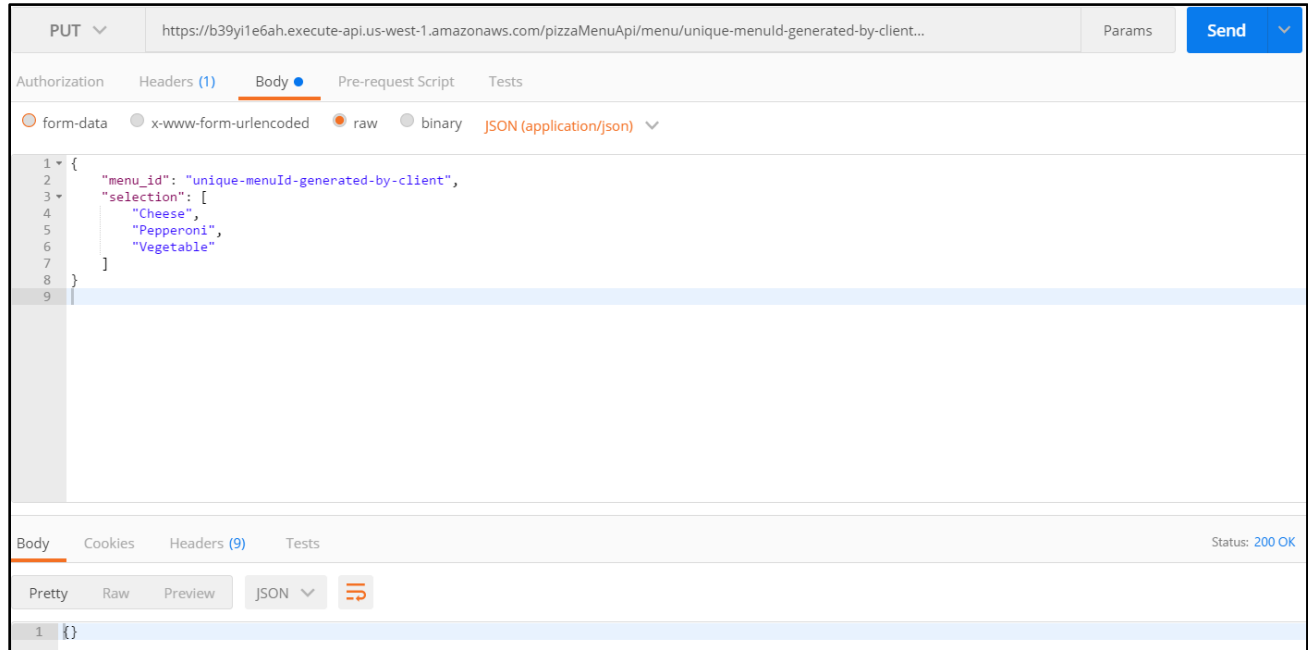
3. PUT <https://b39yi1e6ah.execute-api.us-west-1.amazonaws.com/pizzaMenuApi/menu/unique-menuId-generated-by-client>

- **Request**

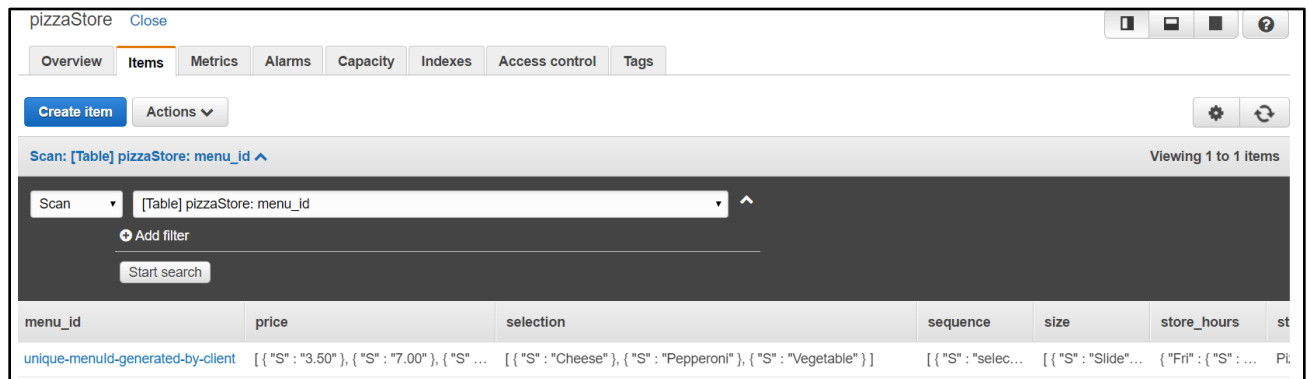
```
{
  "menu_id": "unique-menuId-generated-by-client",
  "selection": [
    "Cheese",
    "Pepperoni",
    "Vegetable"
  ]
}
```

- **Status Code: 200 OK**

- **POSTMAN Output**



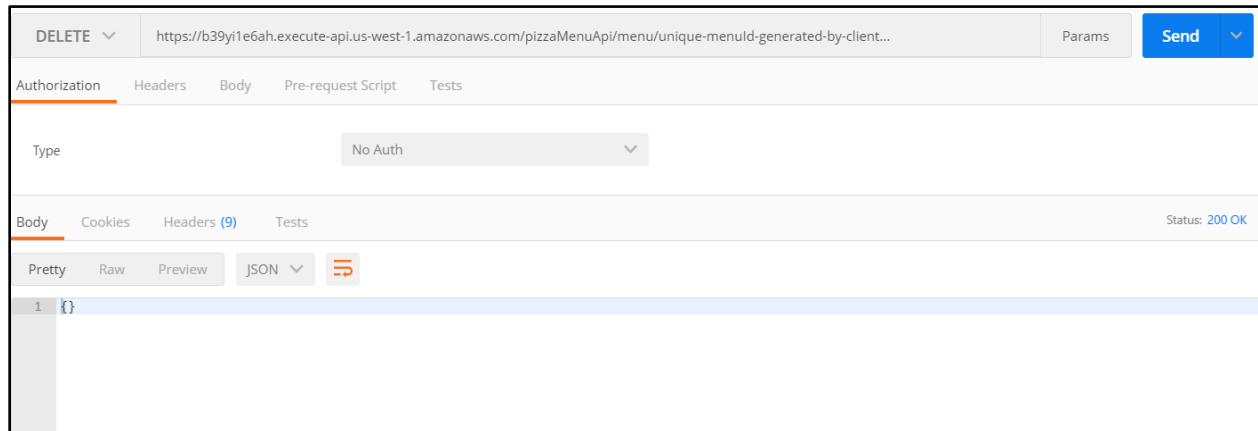
- **Database Image after PUT (pizzaStore table)**



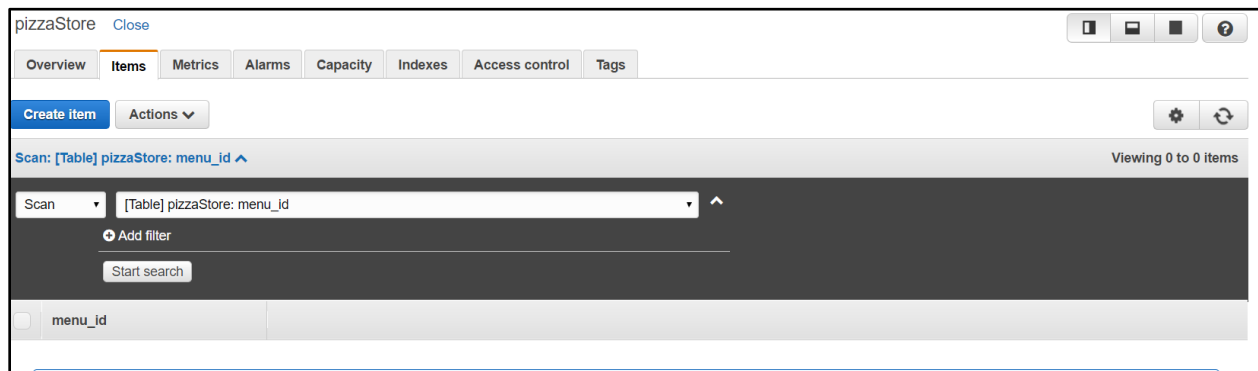
4. DELETE <https://b39yi1e6ah.execute-api.us-west-1.amazonaws.com/pizzaMenuApi/menu/unique-menuId-generated-by-client>

- **Status Code: 200 OK**

- **POSTMAN Output**



- **Database Image after Delete**



II. Pizza Order Processing APIs

1. **POST** <https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order>

- **Request**

```
{
  "menu_id": "unique-menuId-generated-by-client",
  "order_id": "unique-orderId-generated-by-client",
  "customer_name": "Dharmisha Doshi",
  "customer_email": "dharmishadoshi@gmail.com"
}
```

- **Status Code: 200 OK**

- **Response Body**

```
{
  "Message": "Hi Dharmisha Doshi, please choose one of these selection: 1. Cheese, 2. Pepperoni, 3.Vegetable"
}
```

- **API Gateway Template**

Generate template:

```
1 {
2   "body" : $input.json('$'),
3   "headers": {
4     #foreach($header in $input.params().header.keySet())
5     "$header": "$util.escapeJavaScript($input.params().header.get($header))" #if($foreach.hasNext),#end
6
7     #end
8   },
9   "method": "$context.httpMethod",
10  "params": {
11    #foreach($param in $input.params().path.keySet())
12    "$param": "$util.escapeJavaScript($input.params().path.get($param))" #if($foreach.hasNext),#end
13
14    #end
15  },
16  "query": {
17    #foreach($queryParam in $input.params().querystring.keySet())
18    "$queryParam": "$util.escapeJavaScript($input.params().querystring.get($queryParam))" #if($foreach.hasNext),#end
19
20    #end
21  }
22 }
```

- **POSTMAN output**

POST

https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order

Params

Send

Authorization

Headers (1)

Body

Pre-request Script

Tests

form-data

x-www-form-urlencoded

raw

binary

JSON (application/json)

```
1 {
2   "menu_id": "unique-menuId-generated-by-client",
3   "order_id": "unique-orderId-generated-by-client",
4   "customer_name": "Dharmisha Doshi",
5   "customer_email": "dharmishadoshi@gmail.com"
6 }
7
```

Body

Cookies

Headers (9)

Tests

Status: 200 OK

Pretty

Raw

Preview

JSON

```
1 {
2   "Message": "Hi Dharmisha Doshi please choose one of these selection: 1. Cheese 2. Pepperoni 3. Vegetable"
3 }
```

- **Database Image (order table)**

order [Close](#)

Overview	Items	Metrics	Alarms	Capacity	Indexes	Access control	Tags
<div> Create item Actions </div>							
Scan: [Table] order: order_id ^							
<div> <div> Scan <input type="text" value="[Table] order: order_id"/> </div> <div> + Add filter </div> <div> Start search </div> </div>							
<input type="checkbox"/>	order_id	customer_email	customer_name	menu_id	order_status		
<input type="checkbox"/>	unique-orderId-generated-by-client	dharmishadoshi@gmail.com	Dharmisha Doshi	unique-menuId-generated-by-client	selection		

2. PUT <https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order/unique-orderId-generated-by-client>

- **Request**

```
{
  "input": "1"
}
```

- **Status Code: 200 OK**

- **Response Body**

```
{
  "Message": "Which size do you want? 1. Slide, 2. Small, 3. Medium, 4. Large, 5. X-Large"
}
```

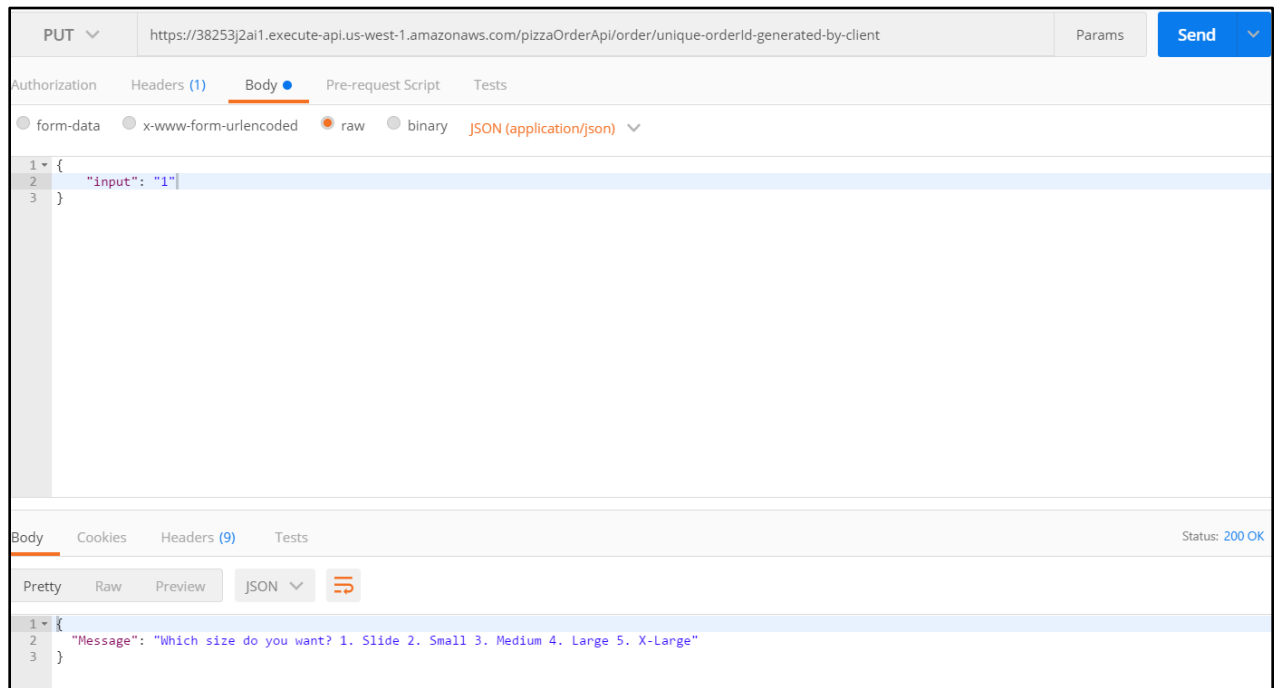
- **API Gateway**

Generate template:

```

1 {
2   "body" : $input.json('$'),
3   "headers": {
4     #foreach($header in $input.params().header.keySet())
5     "$header": "$util.escapeJavaScript($input.params().header.get($header))" #if($foreach.hasNext),#end
6   }
7   #end
8 },
9 "method": "$context.httpMethod",
10 "params": {
11   #foreach($param in $input.params().path.keySet())
12   "$param": "$util.escapeJavaScript($input.params().path.get($param))" #if($foreach.hasNext),#end
13   #end
14 },
15 "query": {
16   #foreach($queryParam in $input.params().querystring.keySet())
17   "$queryParam": "$util.escapeJavaScript($input.params().querystring.get($queryParam))" #if($foreach.hasNext),#end
18   #end
19 }
20 }
21 }
22 }
```


- **POSTMAN output**



- **Database output (order table)**

order [Close](#)

Overview **Items** Metrics Alarms Capacity Indexes Access control Tags

Create item Actions

Scan: [Table] order: order_id

Scan [Table] order: order_id

Add filter

Start search

	order_id	customer_email	customer_name	menu_id	order	order_status
	unique-orderId-generated-by-client	dharmishadoshi@gmail.com	Dharmisha Doshi	unique-menuId-g...	{ "selection": { "S": "Cheese" } }	size

3. PUT <https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order/unique-orderId-generated-by-client>

- **Request**

```
{
  "input": "4"
}
```

- **Status Code: 200 OK**

- **Response**

```
{
  "Message": "Your order costs $15.00. We will email you when the order is ready. Thank you!"
}
```

- **API Gateway**

Generate template:

```
1 {
2   "body" : $input.json('$'),
3   "headers": {
4     #foreach($header in $input.params().header.keySet())
5     "$header": "$util.escapeJavaScript($input.params().header.get($header))" #if($foreach.hasNext),#end
6   }
7   #end
8 },
9 "method": "$context.httpMethod",
10 "params": {
11   #foreach($param in $input.params().path.keySet())
12   "$param": "$util.escapeJavaScript($input.params().path.get($param))" #if($foreach.hasNext),#end
13   #end
14 },
15 "query": {
16   #foreach($queryParam in $input.params().querystring.keySet())
17   "$queryParam": "$util.escapeJavaScript($input.params().querystring.get($queryParam))" #if($foreach.hasNext),#end
18   #end
19 }
20 }
21 }
22 }
```

- **POSTMAN output**

PUT Params

Authorization Headers (1) Body Pre-request Script Tests

☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary JSON (application/json)

```
1 {
2   "input": "4"
3 }
```

Body Cookies Headers (9) Tests Status: 200 OK

Pretty Raw Preview JSON

```
1 {
2   "Message": "Your order costs $15.00. We will email you when the order is ready. Thank you!"
3 }
```

- **Database Output (order table)**

order_id	customer_email	customer_name	menu_id	order	order_status
unique-orderId-gen	dharmishadoshi@gmail.com	Dharmisha Doshi	unique-menuId-generated-by-client	{ "costs": { "S": "15.00" }, "order_time": { "S": "05-16-2017@04:59:59" }, "selection": { "S": "Cheese" }, "size": { "S": "Large" } }	processing

4. **GET** <https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order/unique-orderId-generated-by-client>

- **Status Code: 200 OK**

- **Response Body:**

```
{
  "menu_id": "unique-menuId-generated-by-client",
  "customer_email": "dharmishadoshi@gmail.com",
  "order_id": "unique-orderId-generated-by-client",
  "order_status": "processing",
  "order": {
    "selection": "Cheese",
    "costs": "15.00",
    "order_time": "05-16-2017@04:59:59",
    "size": "Large"
  },
  "customer_name": "Dharmisha Doshi"
}
```

- **API Gateway**

Generate template:

```

1 {
2   "body" : $input.json('$'),
3   "headers": {
4     #foreach($header in $input.params().header.keySet())
5     "$header": "$util.escapeJavaScript($input.params().header.get($header))" #if($foreach.hasNext),#end
6   }
7   #end
8 },
9 "method": "$context.httpMethod",
10 "params": {
11   #foreach($param in $input.params().path.keySet())
12   "$param": "$util.escapeJavaScript($input.params().path.get($param))" #if($foreach.hasNext),#end
13   #end
14 },
15 },
16 "query": {
17   #foreach($queryParam in $input.params().querystring.keySet())
18   "$queryParam": "$util.escapeJavaScript($input.params().querystring.get($queryParam))" #if($foreach.hasNext),#end
19   #end
20 },
21 }
22 }
```

- **POSTMAN output**

The screenshot displays the Postman interface for a GET request. The URL bar shows the endpoint: `https://38253j2ai1.execute-api.us-west-1.amazonaws.com/pizzaOrderApi/order/unique-orderId-generated-by-client`. The request is configured with no authentication and no body. The response status is 200 OK. The response body is shown in JSON format, containing order details.

Authorization: No Auth

Body: Status: 200 OK

```
1 {
2   "menu_id": "unique-menuId-generated-by-client",
3   "customer_email": "dharmishadoshi@gmail.com",
4   "order_id": "unique-orderId-generated-by-client",
5   "order_status": "processing",
6   "order": {
7     "selection": "Cheese",
8     "costs": "15.00",
9     "order_time": "05-16-2017@04:59:59",
10    "size": "Large"
11  },
12   "customer_name": "Dharmisha Doshi"
13 }
```