

SQL Statements for CPSC 471 Project

Get, post, put, delete methods for ALL entities

Specific Operations

** The given values are the values received by the request

/api/employee/getmanager/12345

Get employees managed by a certain manager (needs a userID)

```
SELECT e.UID
FROM Employees as e, Manager as m
WHERE      e.mgr_ID = m.UID and
           m.UID = givenMUID
```

/api/table/getWaitedBy/12345

Get tables waited on by a certain waiter (needs waiter userID)

```
SELECT t.table#
FROM Table as t, Waiter as w
WHERE      t.waiterID = w.UID and
           w.UID = givenUID
```

/api/table/getOccupied

Get occupied tables (no inputs needed)

```
SELECT t.table#
FROM Table as t
WHERE t.isOccupied = true
```

/api/customer/getCurrentTable/12345

Get customers who are sitting currently at a certain table (needs userID)

```
SELECT t.table#
FROM Customer as c, Table as t
WHERE      c.table# = t.table# and
           c.UID = givenUID
```

/api/customer/getTransactions/12345

Get a customers transactions (needs a customer user id)

```
SELECT t.*
FROM Transaction as t, Customer as c, Customer_Transaction as ct
WHERE      c.UID = ct.UID and
           ct.transactionID = t.transactionID and
           c. UID = givenUID
```

/api/customer/getReviews/12345

Get a customers reviews (needs a customer userID)

```
SELECT r.*
FROM Review as r, customer as c
WHERE      r.UID = c.UID and
           c.UID = givenUID
```

/api/dish/getReviews/56789

Get all reviews of a certain dish (needs a dishID)

```
SELECT r.*
FROM Review as r, Dish as d
WHERE      r.DishID = d.ID and
           d.ID = givenID
```

/api/dish/getIngredients/56789

Get ingredients of a dish (needs a dishID)

```
SELECT i.name
FROM Ingredient as i, dish as d, Dish_Ingredient as DI
WHERE      i.name = DI.name and
           DI.dishID = d.ID and
           d.ID = givenID
```

/api/menu/getDishes/TYPE

Get all dishes in a menu (needs menu type)

```
SELECT d.*
FROM Dish as d, Menu as m
WHERE      d.menu_type = m.type and
           m.type = givenType
```

/api/order/getDishes/12345

Get all dishes in an order (needs an order ID)

```
SELECT d.Dish_ID
FROM Dish as d, Order_Dish as od, Order as o
WHERE      d.ID = od.ID and
           od.OrderID = o.ID and
           o.ID = givenID
```

/api/In-Store-Order/getOrderByWaiter/12345

Get all in store order taken by a certain waiter (needs a waiter ID)

```
SELECT o.ID
FROM Order as o, instore_order as i, waiter as w
WHERE      o.ID = i.ID and
           i.waiterID = w.ID and
           w.ID = givenID
```

/api/supplier/getIngredients/NAME

Get all ingredients supplied by a certain supplier (needs supplier name)

```
SELECT i.name
FROM Ingredient as i, Ingredient Supplier as s
WHERE      s.ingredientname = i.name and
           s.supplier = givenSupplier
```

/api/TableOrder/getOrdersByTable/1

Get all orders that are from a certain table (needs table number)

```
SELECT o.ID
FROM Table as t, Order as d, ComesFrom as c
WHERE      t.table# = c.table# and
           c.OrderID = o.OrderID and
           t.table# = givenTable#
```

/api/customer/getAllOrders/12345

Get all orders placed by a certain customer (needs customerID)

```
SELECT o.ID
FROM Order as o, Order_Transaction as ot, Transaction as t, customer_transaction as ct,
customer as c
WHERE      c.ID = ct.ID and
           ct.TransactionID = t.ID and
           t.ID = ot.TransactionID and
           ot.OrderID = od.OrderID and
           od.OrderID = o.ID and
           c.ID = givenID
```

/api/OnlineOrder/getNumOrder/APP

Count number of online orders per application (needs application name)

```
SELECT COUNT(o.OrderID)
FROM OnlineOrder as o
WHERE      o.application = givenApplication
```

/api/dish/getAvailable

Get all available dishes

```
SELECT d.*
FROM Dish as d, menu as m
WHERE      m.Type = d.menu_type
           d.availability = True
```

/api/menu/getAvailable

Get current Menu Type

```
SELECT M.Type
FROM menu as M
WHERE M.availability = True
```

17 total

Every query will have its own endpoint and its own stored procedure

```
getManager(user_id) : async Task<Manager>
getWaiter(user_id) : async Task<Waiter>
getOccupied() : async Task<List<Table>>
getCurrentTable(user_id) : async Task<Table>
getTransactions(user_id) : async Task<List<Transaction>>
getReviews(user_id) : async Task<List<Reviews>>
getReviews(dish_id) : async Task<List<Reviews>>
getIngredients(dish_id) : async Task<List<Ingredients>>
getDishes(order_id) : async Task<List<Dishes>>
getDishes(menu_type) : async Task<List<Dishes>>
getOrderByWaiter(user_id) : async Task<List<In-Store_Order>>
getIngredients(ing_name) : async Task<List<Ingredients>>
getOrderByTable(order_id) : async Task<List<Order>>
getAllOrders(user_id) : async Task<List<Order>>
getNumOrder(app) : async Task<int>
getAvailable() : async Task<List<Dish>>
getAvailable() : async Task<List<Menu>>
```