**Query**

**\*\*all things underlined are the parameters that should be passed into the query**

Query for restaurant:

SELECT restaurantId, restaurantName, menuId FROM Restaurants WHERE veganOptions=veganInput AND price IN (priceInputArray) AND distance IN (distanceInputArray);

Example:

Vegan=no

Price=”$$$”

Distance = 1-5

SELECT restaurantId, restaurantName, menuId FROM Restaurants WHERE veganOptions=’no’ AND price IN (‘$’,’$$’,’$$$’) AND distance IN (‘1’,’2’,’3’,’4’,’5’);

Randomly choose from the list of filtered restaurants between these queries

Query for address of restaurant:

SELECT street, city, state, zipCode FROM Address WHERE restaurantId=’randomIdInput’;

Query for delivery options:

SELECT uberEatsAvailability, postmatesAvailability, website WHERE restaurantId=’radomIdInput’;

Query for meal:

SELECT mealId, mealName, priceDollars FROM Menu WHERE vegan=’veganInput’ AND menuId=’randomInputMenuId’;

Randomly choose from the list of filtered meals between these queries

Query for ingredients:

SELECT ingredients FROM Ingredients WHERE menuId=’randomInputMenuId’ AND mealId= ‘randomMealIdSelected’;

**Another way:**

Query for restaurantIds

SELECT restaurantId FROM Restaurants WHERE veganOptions='veganInput' AND price IN ('priceInputArray') AND distance IN (‘distanceInputArray’);

Example:

Vegan=no

Price=”$$$”

Distance = 1-5

SELECT restaurantId FROM Restaurants WHERE veganOptions=’no’ AND price IN (‘$’,’$$’,’$$$’) AND distance IN (‘1’,’2’,’3’,’4’,’5’);

Randomly choose from the list of filtered restaurants between these queries

Query for restaurant name:

SELECT restaurantName FROM Resturants WHERE restaurantId='randomIdInput';

Query for address of restaurant:

SELECT street, city, state, zipCode FROM Address WHERE restaurantId=’randomIdInput’;

Query for delivery options:

SELECT uberEatsAvailability, postmatesAvailability, website WHERE restaurantId=’radomIdInput’;

(\*\*this is just the last two joined together)

SELECT a.resaurantName, b.street, b.city, b.state, b.zipCode FROM Restaurants a INNER JOIN Address b ON a.resaurantId=b.restaurantId WHERE a.resaurantId='randomIdInput';

Query for menu:

SELECT menuId FROM Restaurants WHERE restaurantId='randomIdInput';

Query for mealId:

SELECT mealId FROM Menus WHERE vegan='veganInput' AND menuId=(SELECT menuId FROM Restaurants WHERE restaurantId='randomIdInput');

Randomly choose from the list of filtered meals between these queries

Query for meal name and actual price:

SELECT mealName, priceDollars FROM Menus WHERE mealId='randomMealIdSelected';

Query for ingredients of specific meal:

SELECT ingredients FROM Ingredients WHERE menuId=(SELECT menuId FROM Restaurants WHERE restaurantId='randomIdInput') AND mealId='randomMealIdSelected';

**Third Option:**

SELECT a.resauratnId, a.resaurantName, a.menuId, b.street, b.city, b.state, b.zipCode FROM Restaurants a INNER JOIN Address b ON a.resaurantId=b.restaurantId WHERE a.veganOptions='veganInput' AND a.price IN ('priceInputArray') AND a.distance IN (‘distanceInputArray’);

Randomly choose from the list of filtered restaurants between these queries

SELECT a.mealId, a.mealName, a.priceDollars, b. FROM Menus WHERE vegan='veganInput' AND menuId=(SELECT menuId FROM Restaurants WHERE restaurantId='randomIdInput');

Randomly choose from the list of filtered meals between these queries

SELECT ingredients FROM Ingredients WHERE menuId=(SELECT menuId FROM Restaurants WHERE restaurantId='randomIdInput') AND mealId='randomMealIdSelected';