For our website, we plan on having a feature that allows users to search for dishes that have a good rating (at least 4 stars) from a restaurant that offers a particular cuisine (for example "Italian"). We can also alter the query according to the user's specific preferences for dish rating and restaurant cuisine.

For some restaurants the cuisine is randomized, which is why non-Italian restaurants show up here.

SELECT Temp.name, d.Name
FROM (SELECT * FROM Restaurant r WHERE r.cuisine = "Italian") AS Temp
JOIN Dishes d ON (Temp.restaurantID = d.RestaurantID) JOIN Purchases p ON
(d.RestaurantID = p.RestaurantID) JOIN Reviews ON (p.NetID = Reviews.NetID)
WHERE Reviews.Rating >= 4.0;

```
+----------------------------------------+----------+
| name                                   | Name     |
+----------------------------------------+----------+
| McDonald's                             | 243803e3 |
| McDonald's                             | 47679c24 |
| McDonald's                             | 66b4216b |
| McDonald's                             | 699d3614 |
| McDonald's                             | 243803e3 |
| McDonald's                             | 47679c24 |
| McDonald's                             | 66b4216b |
| McDonald's                             | 699d3614 |
| Diamond Pizza                          | 18de2c83 |
| Tacombi                                | 2bde3900 |
| Tacombi                                | 5459ae61 |
| Tacombi                                | 8a893157 |
| Buffalo Wild Wings                     | 16b70630 |
| Buffalo Wild Wings                     | 3bda2825 |
| Buffalo Wild Wings                     | 92ae253e |
| Tacombi                                | 2bde3900 |
| Tacombi                                | 5459ae61 |
| Tacombi                                | 8a893157 |
| Kabobeesh                              | bb4a8643 |
| Kabobeesh                              | d2959ff0 |
| Uptown Cabaret                         | 8298a994 |
| Uptown Cabaret                         | cdf85acc |
| Cesar's Killer Margaritas - Broadway   | d4329231 |
| Triple C Brewing Company               | 75f0ed9e |
```

For our website, we plan on having a feature that allows users to get a sense for how expensive a restaurant is. Thus, we have an advanced query that will go through every restaurant and compute the average dish price for that restaurant. This will allow the user to understand how much he/she should expect to pay for a dish at that particular restaurant, and make an informed decision as to whether they want to eat at that restaurant. In this advanced query, we join the Restaurant relation with the Dish relation and group by restaurant ID in order to compute the average dish price for each unique restaurant.

SELECT r.name, AVG(d.Price)
FROM Restaurant r JOIN Dishes d ON (r.restaurantID = d.RestaurantID)
GROUP BY r.restaurantID;

Query Result:

```
+----------------------------------------------------+--------------------+
| name                                               | AVG(d.Price)       |
+----------------------------------------------------+--------------------+
| Sushi Para II                                      |              15.27 |
| Arlee's Raw Blends                                 | 26.646666666666665 |
| Aroma Cafe                                         |             25.305 |
| Sunny's Diner                                      |              17.33 |
| Masala Grill                                       | 26.174999999999997 |
| Tarrant's Cafe                                     |             21.855 |
| Pearl                                              |             18.885 |
| One if by Land, Two if by Sea                      | 33.730000000000004 |
| La Cocina De Agave                                 |              28.98 |
| Carytown Burgers & Fries                           | 32.900000000000006 |
| Capital Ale House                                  | 25.630000000000003 |
| Stella's                                           |              15.83 |
| Valentino's Pizzeria & Trattoria                   |              29.55 |
| Orlando's Taco Shop                                |  27.27333333333333 |
| Subway                                             | 24.729999999999997 |
| Manzella's Italian Patio                           | 25.400000000000002 |
| Potbelly Sandwich Shop                             |              22.87 |
| Subway                                             |             17.875 |
| Dimitriou's Jazz Alley                             |              32.37 |
```