

Requirement

Build a simple backend service that allows users to search for restaurants based on a **dish name**.

The system should store restaurants, their menu items, and the orders placed for those items. When a user searches for a dish, the system should return the restaurants where that dish is ordered the most, **restricted by a mandatory price range filter**.

Your task is to design the data model, implement the logic, and expose an API to return the results.

Use Case — Search by Dish Name (with mandatory price range)

When the user searches by dish name, return:

- The **top 10 restaurants** where that dish has been ordered the highest number of times
- Only include restaurants where the dish's **price falls within the required price range**
- Each result should include:
 - Restaurant details
 - Dish name
 - Dish price
 - Total order count for that dish in that restaurant

Sample Input

`/search/dishes?name=biryani&minPrice=150&maxPrice=300`

Expected Response Shape (example)

```
{
  "restaurants": [
    {
      "restaurantId": 5,
      "restaurantName": "Hyderabadi Spice House",
      "city": "Hyderabad",
      "dishName": "Chicken Biryani",
      "dishPrice": 220,
      "orderCount": 96
    }
  ]
}
```

Only one API is required for this use case.

What We Expect

- Clean and well-structured Node + MySQL backend code.
- A clear **README** with setup steps, DB config, and example API usage.
- A **seed file** with sample data for restaurants, menu items, orders(**for simplicity consider one order has only one item**).
- The project hosted on any **free platform** (Railway / Render / etc.) and the public URL shared.
- Code pushed to a **public Git repository** and link included.
- Keep it simple, understandable, and runnable without issues.
- **Use of AI tools is allowed**, but you must fully understand your code — during the interview, we may ask you to modify or extend it in real time.