

### **Problem Statement: Food Delivery System**

You need to design and develop a food delivery system like Swiggy, where:

- A restaurant can register itself with the system and a user can create, update, delete, get her profile.
- Users can search for the restaurant using the restaurant name.
- Restaurants can add, update food-menu.
- Users can see the food-menu and place an order to get the food items based on cuisine type.
- Moreover, the following constraint exists: A restaurant has a fixed capacity of processing " $n$ " orders at a time. It cannot accept more than " $n$ " orders at a time. Value of " $n$ " varies for different restaurants.

### **Bonus: requirements [ optional ]:**

- A user can search for all the orders ordered by her.
- Users can get the order status anytime. Success, Out for Delivery, Delivered, etc.