**Programming Paradigms - Online Food ordering**

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| **Paradigm** | **Food Ordering Analogy** | **Python Example** |
| Procedural | Step by step: Customer logs in → Check menu → Select food → Place order → Payment → Deliver | loops, functions |
| OOP | Objects: Customer, Order, FoodItem Methods: placeOrder(), calculateBill(), deliverFood() | classes, objects |
| Functional | filter() for chines dishes | map, filter, lambda |
| Declarative | “Show all available pizzas under 2000RS” | SQL |
| Logic | Rule: If food available → order confirmed | rules |
| Event-Driven | Event: Click “Order” → Bill made  Event: Click “Cancel” → order remove | async |
| Concurrent | While one order is being prepared, another order is being placed online | threading, multiprocessing |