# BUSINESS CONTEXT: RESTAURANT STAFFING RULES

This context outlines the rules used by a restaurant to determine employee staffing levels based on different inputs.

## ENTITIES & FIELDS

Restaurant:

- size: String (Small, Medium, Large)

Forecast:

- total\_sales: Float (Total forecasted sales for the full day)

- partial\_sales: Float (Forecasted sales for a specific time slot)

Staffing:

- base\_employees: Integer (Recommended minimum staff count)

- extra\_employees: Integer (Additional staff needed per time slot)

## RULE LOGIC DEFINITIONS

### Rule 1: Base staff by restaurant size

Use the restaurant's size (Small, Medium, Large) to determine the base number of employees needed.

Example:

IF Restaurant.size == "Small" THEN Staffing.base\_employees = 5

### Rule 2: Base staff by total daily sales forecast

Use the total daily sales forecast to define how many employees are required overall.

Example:

IF Forecast.total\_sales > 50 THEN Staffing.base\_employees = 3

### Rule 3: Extra staff by time-slot-specific forecast

Use the forecasted total sales for a time slot to determine if extra staff are needed.

Example:

IF Forecast.partial\_sales > 5 THEN Staffing.extra\_employees = 1

## VALID VALUES

Restaurant.size:

- Small

- Medium

- Large

## ACTION TYPES

- Set Staffing.base\_employees = [value]

- Set Staffing.extra\_employees = [value]

## OUTPUT FORMAT EXPECTED

The model should convert natural language input into a JSON structure with the following format:

## NOTES

- All numeric comparisons can use: >, >=, <, <=, ==

- Conditions can combine multiple fields

- Multiple actions may be applied per rule

## EXAMPLE RULES

Natural Language: IF the restaurant is Small, THEN Staffing.base\_employees==5 - Output format: {"conditions": [{"field":"Restaurant.size","operator":"==","value": "Small"},{"field":"Staffing.base\_employees","operator":"==","value": 5}]}

Natural Language: IF the restaurant is Medium, THEN Staffing.base\_employees==7 - Output format: {"conditions": [{"field":"Restaurant.size","operator":"==","value": "Medium"},{"field":"Staffing.base\_employees","operator":"==","value": 10}]}