

### Normalization Summary:

- Price of a pizza is a derived attribute from ingredients, margin, and VAT so its not stored
- Many to many relationships use junction tables
- Reporting attributes is computed at query time
- All tables have primary keys and store atomic values
- Repeating groups are deleted by the use of junction tables eg. PizzaIngredients
- Item quantites are numeric scalars
- Non-key attributes in tables with composite keys depends on the whole key and not just part of it. Eg. OrderPizza(order\_id, pizza\_id)
- Descriptive attributes that depend only on one side of a relationship are not copied into junctions
- Timestmps and status attributes are stored in Order
- No non-key attribute depends on another non-key attribute. Eg. Don't store pizza price in Pizza since it depends on ingredients cost
- Age not stored in Customer, age derived from brith\_date in query
- City is not copied into order since it can be inferred from the postal code