

The diagram is a complex Entity-Relationship (ER) model for a system with various entities and their relationships. The entities are represented by rectangles, and the relationships are represented by diamonds. Attributes are shown in ovals.

**Entities and their Attributes:**

- Breakdown records**: reporting\_date, reporting\_time
- Maintenance tickets**: cost, contact\_no, date
- Souvenirs**: item\_code, item\_name, rate
- Ride tickets**: date, no\_of\_tickets, time
- Ride**: capacity, ride\_name, price, min\_height, min\_age
- Customers**: cust\_name, cust\_id, gender, phone, dob, ssn, employee\_name, email, phone, dob
- Employee**: employee\_name, email, phone, dob
- Food Items**: item\_name, rate
- Food Shops**: shop\_name, capacity
- Food Order**: qty
- Department**: (No attributes shown)
- Lost and Found**: item\_desc, item\_name
- Event tickets**: rate, date\_time, no\_of\_seats
- Photo proof Id**: id\_type, photo\_id\_no, image
- Events**: duration, date, time, event\_name, capacity
- Location**: loc\_name, latitude, longitude, desc
- Supplies**: qty, date, price, item\_name

**Relationships and Cardinalities:**

- Has** (Breakdown records to Maintenance tickets): 1 to 1
- Has** (Breakdown records to Ride tickets): 1 to N
- Has** (Maintenance tickets to Souvenirs): 1 to N
- Has** (Souvenirs to Customers): 1 to N
- Has** (Ride tickets to Ride): 1 to 1
- Has** (Ride tickets to Customers): 1 to N
- Has** (Customers to Ride tickets): 1 to N
- Has** (Customers to Souvenirs): 1 to N
- Has** (Customers to Photo proof Id): 1 to 1
- Has** (Photo proof Id to Customers): 1 to 1
- Has** (Photo proof Id to Events): 1 to N
- Has** (Events to Photo proof Id): 1 to N
- Has** (Events to Location): 1 to N
- Has** (Location to Events): 1 to N
- Has** (Location to Supplies): 1 to N
- Has** (Supplies to Location): 1 to N
- Has** (Supplies to Food Order): 1 to N
- Has** (Food Order to Food Items): 1 to N
- Has** (Food Order to Food Shops): 1 to N
- Has** (Food Shops to Food Order): 1 to N
- Has** (Food Items to Food Order): 1 to N
- Has** (Food Shops to Supplies): 1 to N
- Has** (Supplies to Food Shops): 1 to N
- Has** (Supplies to Food Items): 1 to N
- Has** (Supplies to Events): 1 to N
- Has** (Events to Supplies): 1 to N
- Has** (Events to Photo proof Id): 1 to N
- Has** (Photo proof Id to Events): 1 to N
- Has** (Events to Location): 1 to N
- Has** (Location to Events): 1 to N
- Has** (Events to Supplies): 1 to N
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- Has** (Events to Photo proof Id): 1 to N
- Has** (Photo proof Id to Events): 1 to N
- Has** (Events to Location): 1 to N
- Has** (Location to Events): 1 to N
- Has** (Events to Supplies): 1 to N

The diagram is an Entity-Relationship (ER) model for a company database. It includes the following entities, attributes, and relationships:

- Employee** (Entity): Attributes include *employees\_name*, *email*, *phone*, *dob*, and *ssn*.
- Photo Id** (Entity): Attribute is *Photo Id*.
- Department** (Entity): Attributes include *Department Id* and *Department Name*.
- Supplies** (Entity): Attributes include *Supplies Id* and *Supplies Name*.
- Salaried Employees** (Entity): Attributes include *salary* and *post*.
- Contractual Employees** (Entity): Attributes include *end\_date*, *start\_date*, *role*, and *total\_contract\_wages*.
- Events** (Entity): Attributes include *Event Id* and *Event Name*.

Relationships and Cardinalities:

- Has** (Relationship): Connects **Employee** and **Photo Id** with a cardinality of 1:1.
- Manages** (Relationship): Connects **Employee** and **Department** with a cardinality of 1:N.
- Orders** (Relationship): Connects **Employee** and **Supplies** with a cardinality of N:M.
- Works For** (Relationship): Connects **Employee** and **Department** with a cardinality of N:1.
- d** (Disjoint Union): A disjoint union relationship between **Salaried Employees** and **Contractual Employees**, both connected to the **Employee** entity.
- Performs At** (Relationship): Connects **Contractual Employees** and **Events** with a cardinality of N:M.