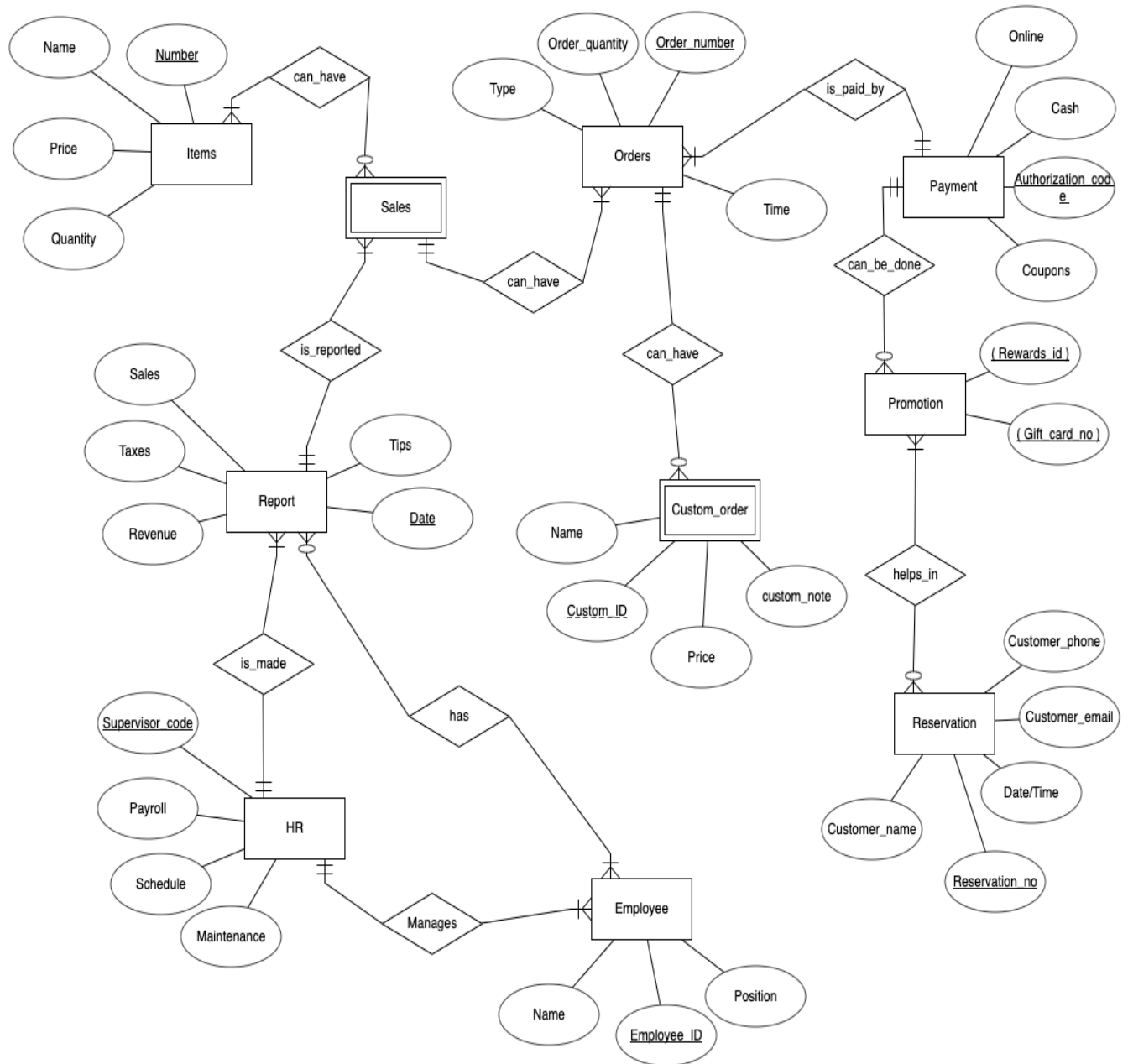ER diagram of POS for restaurant management

Relationship Constraints

1. Items- Report- Orders (Ternary relationship) :
   - One item can be sold 0 or many times and a sale can have at least one or many items.
   - One order can be sold at least one and at most one time and a sale can have at least 0 or many orders.
   - One report can have 0 or many sales and one sale can have at least one and at most one report.

2. Order – Custom_order (Binary relationship) :
   - An order can have at least one and at most many custom and a custom can have at least one and at most one order.

3. Order- Payment (Binary relationship) :
   - One order can is paid at least one and at most one time and one payment can have at least one and at most many orders.

4. Payment- Promotions (Binary relationship) :
   - A payment can be done through at least 0 and at most many promotion and a promotion can do at least one and at most one payment.

5. Promotions- Reservation (Binary relationship) :
   - A promotion can help to make at least 0 and at most many reservations and a reservation can do at least one and at most many promotions.

6. HR- Employee (Binary relationship) :
   - HR manages at least one and at most many employees and an employee is managed by at least one and at most one HR.

7. Employee – Report (Binary relationship) :
   - An employee can have at least and at most many reports and a report can be of at least one and at most many employees.