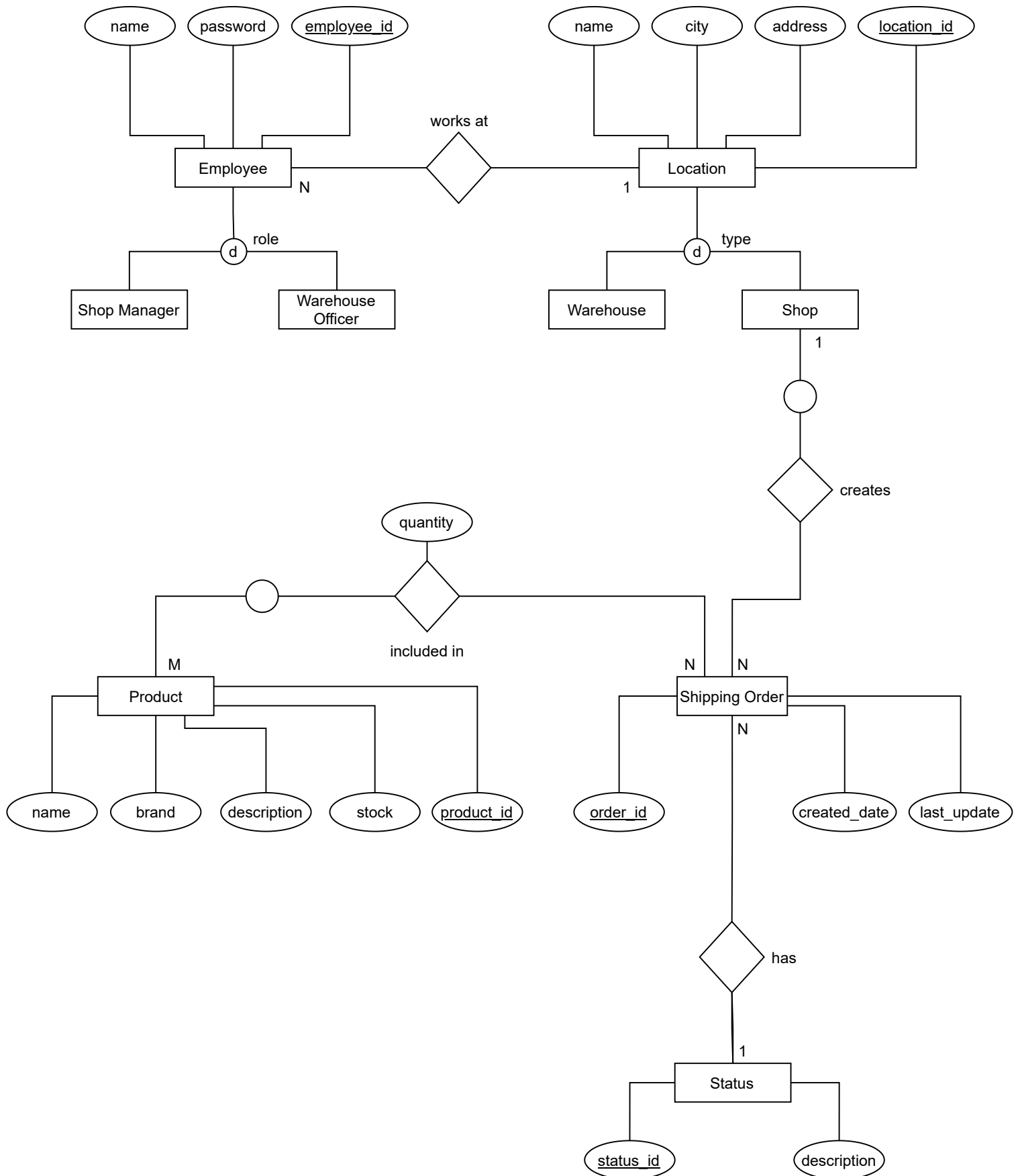


# ER Model



## Assumptions and Restrictions

- The possible statuses are pending, in progress and delivered.
- Only Warehouse Officers can put an order in progress.
- Only Shop Managers can create orders.
- Only Shop Managers can mark an order as delivered.
- A Shopping order can change its status, but can only have one at any given time, following these precedence rules:
  - To update the order's status to IN\_PROGRESS its current status must be PENDING.
  - To update the order's status to DELIVERED its current status must be IN\_PROGRESS.
  - The status can't be updated to PENDING. This is only an initial state applied when the order is created.
  - As a result of the rules above, the status can't be set to the same value it currently has.