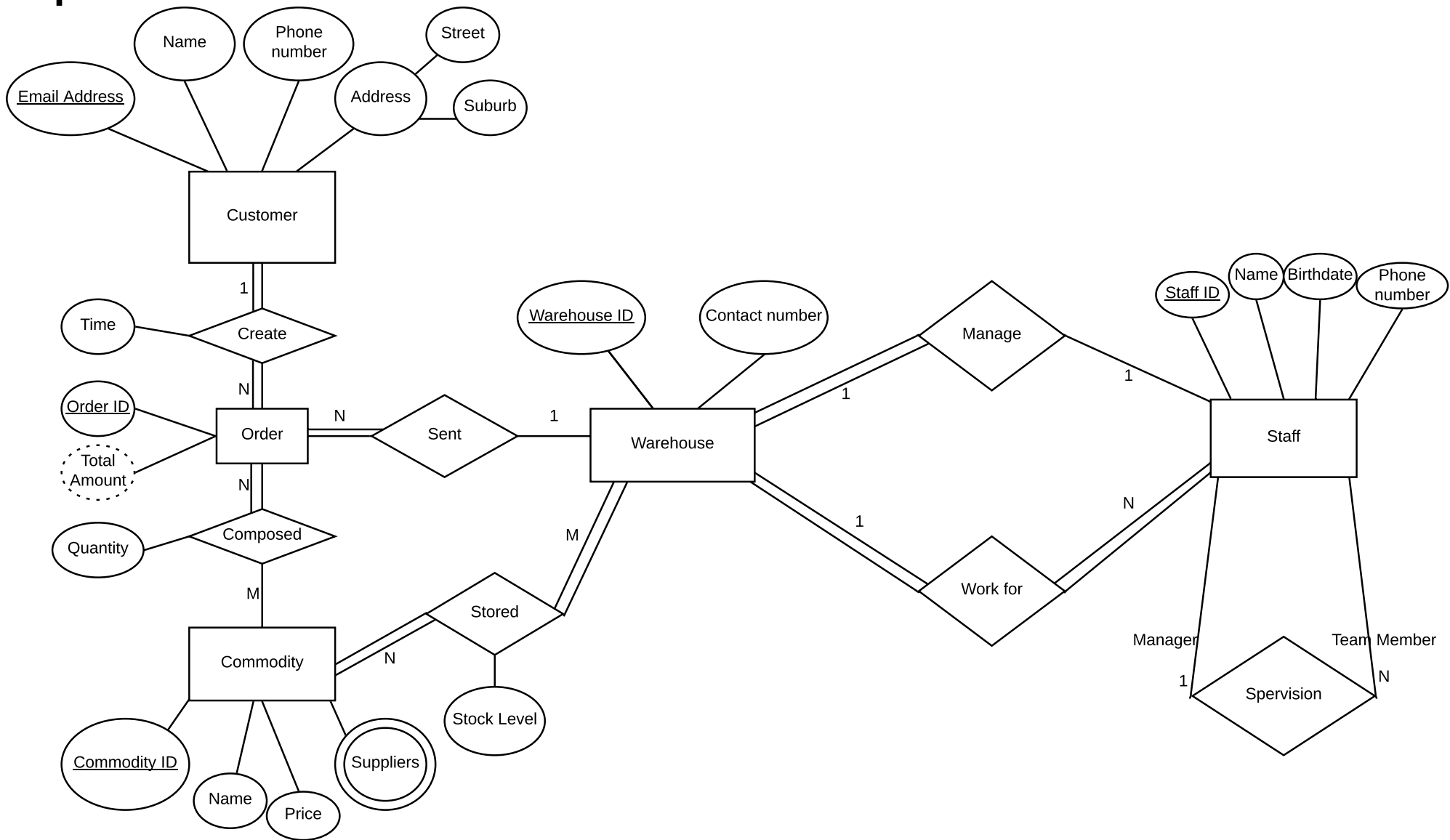


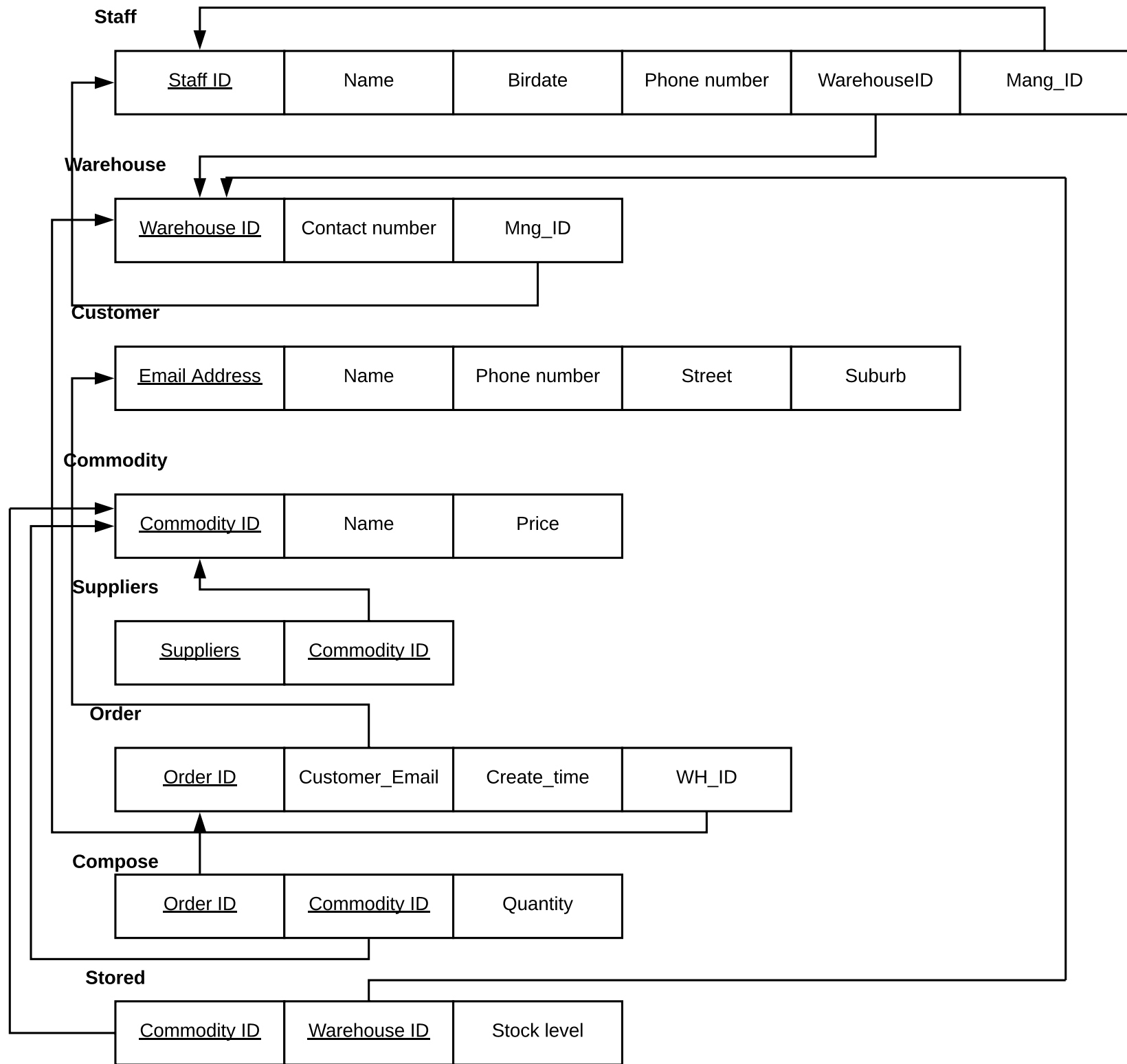
Q|

z3414050 CongCong



Assume: 1. A commodity can be composed in more than one orders.
2. Not every warehouse will have orders been sent to.

Q2



Q3. 1): $\pi_{name}((\sigma_{(gender="Female")}(Student)) \bowtie (Enrolment \bowtie \sigma_{(job="designer")}(JobRequirment)))$

2)

$\pi_{name} \left(Student \bowtie \left(Enrolment \bowtie \left(\pi_{courseID} \left(\sigma_{(job="designer")}(JobRequirement) \right) - \right. \right. \right. \\ \left. \left. \left. \pi_{courseID} \left(\sigma_{(faculty="Law")}(Course) \right) \right) \right) \right)$

3)

$\pi_{coursename}((Course \bowtie \pi_{courseID} \left(Enrolment \bowtie \pi_{studentID} \left(\sigma_{(gender="male")}, (Student) \right) \right)) \cup (Course \bowtie$

$\pi_{courseID} \left(Enrolment \bowtie \pi_{studentID} \left(\sigma_{(gender="Female")}, (Student) \right) \right))$