WENBO ZHU
z5172509

Question2:

Customer

Email address	Name	Phone number	Street	Suburb

Staff

Stuff ID	Name	Phone number	Birth date	W_warehouse ID	S_stuff ID

Warehouse

Warehouse ID	Contact number	M_stuff ID	Manager

Order

Order ID	Amount	S_warehouse ID	C_email address

Commodity

Commodity ID	Price	Name	Quantity	C_order ID

Store

S_Commodity ID	S_Warehouse ID	Stock level

C_supplier

C_commodity_ID	C_supplier
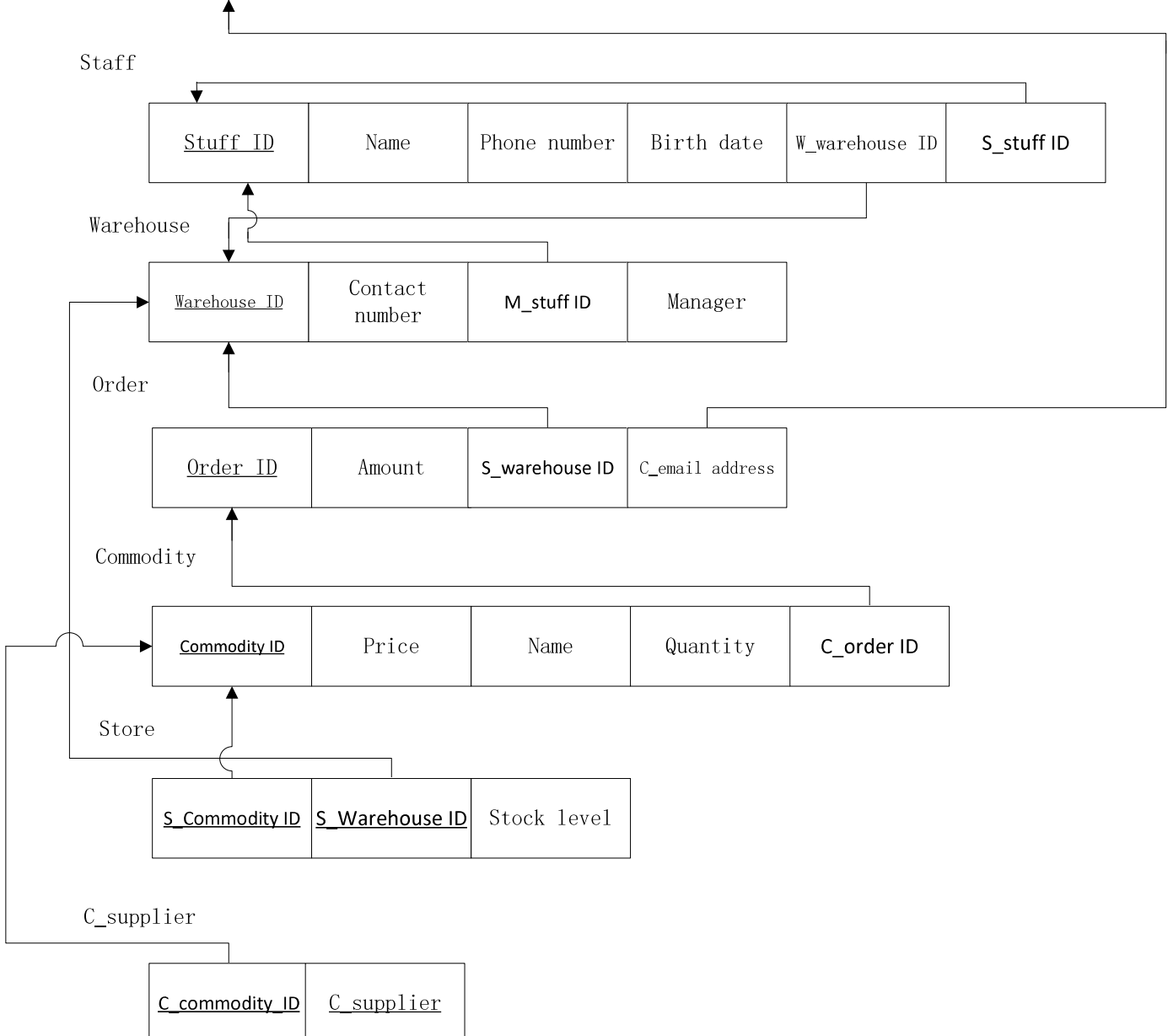
Question3:

1. $\pi_{(name)}(\sigma_{(gender=female)} \sigma_{(job=designer)}(JobRequirement) \bowtie Enrolment \bowtie Student)$

2. $\pi_{(name)}(Student \bowtie (Enrolment) \div \pi_{(coursed)}(\sigma_{(job=designer)}(JobRequirement))) - \pi_{(name)}(\sigma_{(faculty=law)}(Course) \bowtie Enrolment \bowtie Student)$

3. $\pi_{(coursename)}((Enrolment \bowtie Course \bowtie Student - \sigma_{(gender=female)}(Enrolment \bowtie Course \bowtie Student) \cup Enrolment \bowtie Course \bowtie Student - \sigma_{(gender=male)}(Enrolment \bowtie Course \bowtie Student))$