**Chen Notation**

One customer orders many products.

One product ordered by many customers.

**1 M M**   **1**

Order

Customer

Product

**M : N**

One admin manages many orders.

One order is managed by one admin.

**1 M**

Order

Manage

Admin

**1 : M**

One supplier supplies many products.

One product is supplied by one supplier.

**1 M**

Supply

Product

Supplier

**1 : M**

One product can be either game or accessory, but not both.

Product

d

Accessory

Game

**9. Initial Proposed System Business Rules**

1. One customer orders many products and one product is ordered by many customers.

A Many-to-Many relationship (M : N)

1. One admin manages many orders while one order is managed by one admin.

A One-to-Many relationship (1 : M)

1. One supplier supplies many products and one product is supplied by one supplier.

A One-to-Many relationship (1 : M)

1. Product can be either game or accessory, but not both.

A disjoint relationship ( d )