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Assignment: Relational Model

For each relation provided in Excel files, identify:

1. Primary key
2. Attributes
3. Foreign key(s)
4. Degree of the relation
5. Cardinality of the relation

Category:

1. Primary key ----- > cat_id
2. Attributes ----- > cat_id, cat_desc
3. Foreign key(s) ----- > NONE
4. Degree of the relation ----- > 2
5. Cardinality of the relation ----- > 4

Color:

1. Primary key ----- > color
2. Attributes ----- > color
3. Foreign key(s) ----- > NONE
4. Degree of the relation ----- > 1
5. Cardinality of the relation ----- > 12

Customer:

1. Primary key ----- > c_id
2. Attributes ----- > c_id, c_last, c_first, c_mi, c_birthdate, c_address, c_city, c_state, c_zip, c_dphone, c_ophone, c_userid, c_password
3. Foreign key(s) ----- > NONE
4. Degree of the relation ----- > 13
5. Cardinality of the relation ----- > 6

Inventory:

1. Primary key ----- > inv_id
2. Attributes ----- > inv_id, item_id, color, inv_size, inv_price, inv_qoh
3. Foreign key(s) ----- > item_id, color
4. Degree of the relation ----- > 6
5. Cardinality of the relation ----- > 32

Item:

1. Primary key ----- > item_id
2. Attributes ----- > item_id, item_desc, cat_id, item_image
3. Foreign key(s) ----- > cat_id
4. Degree of the relation ----- > 4
5. Cardinality of the relation ----- > 7

Order_line:

1. Primary key ----- > o_id, inv_id
2. Attributes ----- > o_id, inv_id, ol_quantity
3. Foreign key(s) ----- > NONE
4. Degree of the relation ----- > 3
5. Cardinality of the relation ----- > 10

Order_Source:

6. Primary key ----- > os_id
7. Attributes ----- > os_id, os_desc
8. Foreign key(s) ----- > NONE
9. Degree of the relation ----- > 2
10. Cardinality of the relation ----- > 6

Orders:

6. Primary key ----- > o_id
7. Attributes ----- > o_id, o_date, o_methpmt, c_id, os_id
8. Foreign key(s) ----- > c_id, os_id
9. Degree of the relation ----- > 5
10. Cardinality of the relation ----- > 6

Shipment:

- 11. Primary key ----- > ship_id
- 12. Attributes ----- > ship_id, ship_date_expected
- 13. Foreign key(s) ----- > NONE
- 14. Degree of the relation ----- > 2
- 15. Cardinality of the relation ----- > 5

Shipment_Line:

- 16. Primary key ----- > ship_id, inv_id
- 17. Attributes ----- > ship_id, inv_id, sl_quantity, sl_date_received
- 18. Foreign key(s) ----- > NONE
- 19. Degree of the relation ----- > 4
- 20. Cardinality of the relation ----- > 11