**A2-dbs301-20163**

**Due: WEEK 9 Before Friday 11:59 pm – no late as the answer is published shortly after the deadline**

**SUBMISSION: Final (Resolved) ERD with all Attributes, PK, FK**  etc.

1 Change the file to read a2-your email id --- of one of the members (not the @myseneca portion)

2 Email the result to me and CC all member in the group

3 Not doing the above will result in a 25% deduction

This assignment can be done in groups. Ideal might be 2 to 4, but is not limited to that number.

It is suggested that you ALL do it individually and then meet to compare.

**VERY IMPORTANT:**

Being part of a group is the same as being a part of a team for these assignments. When you submitted your work as part of a group you are saying that you understood what was submitted and that you fully participated with ALL the group members. It does not mean letting others do your work for you. It does not mean watching the others do the work. For your full participation, you get a mark equal to all the others in the group. Not fully participating is like submitting work done by others and claiming it is your work.

Members in group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Student ID | Email address | Oracle ID |
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**GROUP WORK**

**NOTE: You must deal with the owner of the business to ensure you are developing a solution that meets the owner’s needs.**

As there can be a few different solutions …

Not working with the owner (user community) means you will design the wrong thing.

**Tarr’s Virtual Tailor Database**

This case involves a Database creation for a Web-based clothing store called “Virtual Tailoring by Tarr” (VTT) that sells clothing for men, women and children over the Internet.

VTT accepts orders by using company their Web site where customers may login by using accounts created on-line. Those accounts require a standard address, phone, userid (email) and password. When a customer tries to place an order for a product (clothing item) the database application must confirm that the ordered product is in the stock. If positive, then the application must update the quantity on hand for that product from the inventory and customer will then finish that ordering process on-line. If negative, then customer must be advised when the next shipment for that particular clothing item is expected.

When VTT receives a shipment from their vendors, the warehouse employee must put the shipment away and must do data entry to update the inventory to reflect new available quantities on hand for the shipped clothing items. A vendor may supply many products. As there are many vendors producing the same items around the world, VTT may change vendors to take advantage of currency differences, product costs etc…

Company wants to keep information about their Customers like:

Customer number, last name, first name, middle name, date of birth, street address, city, province, postal code, country, phone number, userid (which is the customer email address), password and latest credit card number. All attributes are mandatory except the middle name.

Each customer may place many Orders (or even none if as a prospective client they are setting up their account).

The credit card info is kept with each order as people can change cards over time.

 Each clothing item (Product) will be tracked by: product code, product description and will belong to a Category of clothing (Women’s, Men’s, Children’s) and a Season (Winter, Summer, Fall, Spring, All seasons).

Customers will fill click on an product picture that allows them to enter data like quantity and size, and colour. When the customer selects the size and colour (Color is offered by the mean of the pick list that has the origin in the lookup table Color with only two attributes: colour code and color) the computer system selects the correct product number for that size a colour. Upon agreeing to the order and having the credit card approved, the system then generates the order number and emails out a confirmation order.

Each Product will be tracked by: product code, color, size, price and quantity on hand.

(Agian: Colour is offered by the mean of the pick list from the lookup table Color with only two attributes: color code and color.)

Note:

    Create meaningful names for all attributes and use # symbol  for PK attribute(s) and (FK)

     for FK ones.

     Include ALL attributes for each entity incl. composite PK attributes and every FK attribute.

**THE USE OF CROW’s FEET notation is required.**