**DATA DICTIONARY**

ORDER (OrderId, ReviewID, CustomerID, ProductID, OrderDate, Completed, Quantity, TotalPrice, ShippingDate)

* A ORDER instance can be any order that has been placed to “Bracer Inc.” by a customer

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| **Column Name** | **Data Type (Length)** | **Key** | **Null Status** | **Default Value** | **Remarks** | **Description** |
| OrderID | Integer | Primary Key | Not Null | DBMS supplied | Surrogate key | Unique identifier for each order |
| ReviewID | Integer | Foreign Key | Null | DBMS supplied | REF: REVIEW | Unique identifier for each review |
| CustomerID | Integer | Foreign Key | Not Null | DBMS supplied | REF: CUSTOMER | Unique identifier for each customer |
| ProductID | Integer | Foreign Key | Not Null | DBMS supplied | REF: PRODUCT | Unique identifier for each product |
| OrderDate | Date | No | Not Null | None | Format: yyyy:mm:dd | When an order was placed |
| Completed | Char(3) | No | Not Null | None |  | Whether the order is completed or not |
| Quantity | Integer | No | Not Null | None |  | Amount ordered |
| TotalPrice | Numeric(9,2) | No | Not Null | None |  | Total amount |
| ShippingDate | Date | No | Not Null | None | Format: yyyy:mm:dd | When the order was shipped |

PRODUCT (ProductID, ProductName, ProductCategory, ProductColour, Cost, ListPrice, InStock)

* A PRODUCT instance can be any one product that is being sold by “Bracer Inc.”

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| **Column Name** | **Data Type (Length)** | **Key** | **Null Status** | **Default Value** | **Remarks** | **Description** |
| ProductID | Integer | Primary Key | Not Null | None | Surrogate key | Unique identifier for each product |
| ProductName | VarChar(100) | No | Not Null | None |  | The name of the product sold |
| ProductCategory | Char(25) | No | Not Null | None |  | Category of the product |
| ProductColour | Char(25) | No | Not Null | None |  | Colour of the product |
| Cost | Numeric(9,2) | No | Not Null | None |  | How much an item was bought for |
| ListPrice | Numeric(9,2) | No | Not Null | None |  | How much an item is sold for |
| InStock | Char(3) | No | Not Null | None |  | Whether or not there is stock for an item |

CUSTOMER (CustomerID, CustomerName, City, PostalCode, CreditCard)

* A CUSTOMER Instance can be any person that has purchased a product from “Bracer Inc.”

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| **Column Name** | **Data Type (Length)** | **Key** | **Null Status** | **Default Value** | **Remarks** | **Description** |
| CustomerID | Integer | Primary Key | Not Null | None | Surrogate key | Unique identifier for each customer |
| CustomerName | VarChar(50) | No | Not Null | None |  | Customer’s Name |
| City | Char(35) | No | Not Null | None |  | Customer’s city |
| PostalCode | Char(7) | No | Not Null | None | Format: A#A #A# | Customer’s postal code |
| CreditCard | Char(16) | No | Not Null | None |  | Customer’s credit card number |

REVIEW (ReviewID, Rating, Review, ReviewDate)

* A REVIEW instance can be any review that has been done by a “Bracer Inc.” customer

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| --- | --- | --- | --- | --- | --- | --- |
| **Column Name** | **Data Type (Length)** | **Key** | **Null Status** | **Default Value** | **Remarks** | **Description** |
| ReviewID | Integer | Primary Key | Not Null | None | Surrogate key | Unique identifier for each review |
| Rating | Integer | No | Not Null | None |  | Customer’s rating for a product |
| Review | VarChar(250) | No | Not Null | None |  | Customer’s review on a product |
| ReviewDate | Date | No | Not Null | None | Format: yyyy:mm:dd | Date the customer reviews an order |

**Relationship**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parent | Child | Referential Integrity Constraint | On Update | On Delete |
| PRODUCT | ORDER | ProductID in ORDER must exist in PRODUCT | No | No |
| CUSTOMER | ORDER | CustomerID in ORDER must exist in CUSTOMER | No | No |
| REVIEW | ORDER | ReviewID in ORDER must exist in REVIEW | No | No |