*PARAG KHODKE DBMS project*

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1. Assumptions: -

While creating this office supplies database, some of the main assumptions needs to be known as follows: -

* The orders can be placed by any customers.
* Each order contains some order items
* All items are developed basic on customers request and bases of orders
* All customers are from USA.
* There are three categories named as paper supplies, basic supplies and writing supplies.
* I took category type as item type.
* Each category (item type) contains several items as: -
  + Writing supplies contains – pen, pencils, markers
  + Paper supplies contains- copy paper, pads, envelopes
  + Basic supplies contain- labels, staplers, paper clips, rubber bands, scissors
* Each item has unique ID for identifications called item\_id. *The admin / user who is going to run queries on this database to retrieve the information, make sure that he/she knows Item\_id.*
* *One order can have multiple items and one item can be in multiple orders(orderline)*
* Another entity is orders which contains order\_id (unique)
* one customer can place ‘N’ numbers of orders so we create another table called ‘order line’ from which we could find out that how many orders where placed by each customer.
* All The cost of items is in $.
* The orderline entity is week entity here. It contains order-ID and items-ID
* Item entity contains item type and item type are multiple so it’s a derived attribute here.

1. ER diagram

A close up of a map

Description automatically generated

1. Relational Schema: -

A close up of text on a white background

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