**Project Report**

By

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Some of the tables have less than 100 entries because, it would be a waste to have 100 employees for 100 products, so we have decided to just insert 10 employees for 100 products (10 per product).

1. Admin:

* idAdmin (Primary Key): A unique identifier for the admin, automatically increments, unsigned and non-null.
* admin\_name: The name of the admin, non-null.
* admin\_username: The username of the admin, non-null.
* admin\_password: The password of the admin, non-null.

1. Employee:

* idEmployee (Primary Key): A unique identifier for the employee, automatically increments, unsigned and non-null.
* employee\_name: The name of the employee, non-null.
* job\_title: The job title/designation of the employee, non-null.
* salary: The annual income of the employee, non-null.

1. Product:

* idProduct (Primary Key): A unique identifier for the product, automatically increments, unsigned and non-null.
* product\_name: The name of the product, non-null.
* product\_type: The type/category of the product, non-null.
* product\_quantity: The quantity of the product, can be null (if out of stock or not yet launched).
* product\_price: The price of the product, non-null.
* expiry\_date: The expiration date of the product, non-null.
* discount\_percent: The current discount on the product (different from admin generated discounts), non-null.
* aisle\_number: The aisle location of the product.

1. add\_products:

* employee\_id: Required for tracking the employee working on multiple product lines.
* product\_id: Required for tracking the specific product line the employee is working on.

1. admin\_employee\_link:
   * admin\_id: Required so that the admin can supervise the employees.
   * employee\_id\_forAdmin: Required so that the admin can supervise a particular employee or add the data for a particular employee.
2. admin\_adds\_discount:
   1. admin\_id\_addsDisc: Required so that the admin can add the discount.
   2. discount\_id\_add: Required so that it is easy to identify which discount is added.
3. Discount:
   1. id (Primary Key): A unique identifier for the discount, automatically increments, unsigned and non-null.
   2. discount\_name: The name of the discount that is available, non-null.
   3. discount\_percent: The percentage of discount that is applicable, non-null.
   4. start\_date: The starting date of the discount, non-null.
   5. end\_date: The ending date of the discount, non-null.
4. Cart:
   * idCart (Primary Key): A unique identifier for the cart, automatically increments, unsigned and non-null.
   * Total\_price: Total price of the cart after all discounts, non-null.
   * discount\_id: required to know the seasonal discount.
5. products\_in\_cart:

* product\_id\_inCart: required to know the product ids added into the cart.
* Cart\_id\_inside: required to know the cart id attached with products.

1. Customer:
   * idCustomer (Primary Key): A unique identifier for the customers, automatically increments, unsigned and non-null.
   * Customer\_name : Customer’s full name
   * Contact\_into: customer’s contact in 9 digits
   * Address: Address of the customer
   * Username: Username of the customer.
   * Password: password of the customer.
   * Delivery\_partner\_id: delivery partner’s id who is assigned to the order.
   * Cart\_id: cart’s ID that is related to the customer.
2. Rating:

* idRating (Primary key): A unique identifier for the ratings.
* delivery\_partner\_id: Required to know the rating of each delivery partner.
* customer\_id\_rates: Required so that the customer can rate the deliver partner (that too only once per order)
* rating: Rating option given to the customer.

1. customer\_order\_partner\_link:
   * customer\_id\_order: Required so that the customer can contact the delivery partner and look at the estimated date of arrival.
   * delivery\_id: Required so that the delivery person can contact the customer if he/she requires any help in finding the delivery address.
   * order\_id\_completed: It acts like a fool-proof mechanism to make sure that the order is successfully placed.
2. Delivery\_Partner:
   * idDelivery\_Partner: A unique identifier for the delivery partner.
   * partner\_name: Name of the delivery executive.
   * partner\_contact: Phone number of the delivery executive.
   * partner\_rating: Average rating of the delivery executive.
   * order\_id\_received: Required to make sure that the order is delivered at the correct address and to the correct customer.
3. Order:
   * idOrder: A unique identifier for the order.
   * mode\_of\_payment: Required so that the delivery executive can make sure that the order is either paid or not.
   * total\_amount: Required so that the delivery partner can collect cash if the mode of payment is cash on delivery.
   * estimated\_time\_of\_delivery: The estimated time taken for the order to be delivered.
   * shipping\_address: Required so that the customer can fill in the delivery address.
   * minimum\_order\_value: Required so that delivery charge is applied if the distance is very large and the order amount is very low.
   * max\_discount: The max discount that can be applied to a single order.
   * customer\_id: Required so that the customer can take a look at multiple orders if they have made multiple orders.