**ERD Tables**

1. **Products**
   * product\_id (PK)
   * category\_id (FK)
   * name
   * description (General cake description)
   * price
2. **Categories** 
   * category\_id (PK)
   * category\_name
3. **Cart**
   * cart\_id (PK)
   * user\_id (FK)
   * total\_price
4. **Cart\_Items**
   * cart\_item\_id (PK)
   * cart\_id (FK)
   * product\_id (FK)
   * flavor\_id (FK) (Optional for custom orders)
   * customization\_info (Special requests like writing on the cake, extra toppings, etc.)
   * quantity
   * subtotal\_price
5. **Flavors**
   * flavor\_id (PK)
   * flavor\_name
   * custom\_options (Additional customizations like fillings, frostings)
   * flavor\_variation
6. **Orders**
   * order\_id (PK)
   * user\_id (FK)
   * order\_date
   * total\_amount
   * status
7. **Order\_Items**
   * order\_item\_id (PK)
   * order\_id (FK)
   * product\_id (FK)
   * flavor\_id (FK) (Optional)
   * customization\_info (Same as Cart\_Items, saves order-specific customizations)
   * quantity
   * subtotal\_price
8. **Admin**
   * admin\_id (PK)
   * username
   * password
   * role
9. **Inventory**
   * inventory\_id (PK)
   * product\_id (FK)
   * stock\_quantity
10. **Sales**

* sales\_id (PK)
* order\_id (FK)
* total\_sales

1. **Payments**

* payment\_id (PK)
* order\_id (FK)
* payment\_method
* payment\_status
* transaction\_date

1. **Users** (For customers)

* user\_id (PK)
* name
* email
* password