# Database design

1. Data requirement
2. ERD (entity relational diagram) [entity – attribute – relation (one to one , one to many , many to many) ]
3. RS (relational schema ) => convert ERD => to real database (tables,columns,relations)

### E-commerce

1. Categories (id,name\_ar,name\_en,photo,status,created\_at,updated\_at)
2. Subcategories (id, name\_ar,name\_en,photo,status,created\_at,updated\_at)
3. Products (id, name\_ar,name\_en,details,price,quantity,status,photo,created\_at,updated\_at)
4. Brands (id, name\_ar,name\_en,photo,status,created\_at,updated\_at)
5. Users (id,name,email,photo,code,email\_verified\_at,remember\_token,phone,create\_at,updated\_at)
6. Addresses (id,street,building , floor , flat , notes , created\_at, updated\_at)
7. Cities (id, name\_ar,name\_en, status,created\_at,updated\_at)
8. Regions (id, name\_ar,name\_en,latitude,longitude,status,created\_at,updated\_at)
9. Orders (id,code,status,deliver\_date,total,created\_at,updated\_at)
10. Offers (id,title,photo,status,start\_datetime,end\_datetime)
11. Coupons (id,code,value,type,start\_datetime,end\_datetime,miniValue,maxDiscountValue,maxUsagenumber,userMaxUsage)
12. Reviews (comment,value)
13. Cart (quantity)
14. Wishhlists ()