**DESIGNING AN EFFICIENT RELATIONAL DATABASE MANAGEMENT SYSTEM**

To design an efficient and structured database management system, it is imperative to follow or have these steps in place

* **Name your database**
* **Identify the Objects.** The object list could be
  + an id
  + forename
  + surname
  + city
  + postcode
  + A picture
  + email
  + address
  + cost
  + category
* **Define and name the table for each object**. For example postal subscribers
* **Identify the attributes for each object in the table** For example,
  + an id
  + forename
  + surname
  + city
  + postcode
  + picture
  + email
  + address
  + cost
  + category
* **Define and name columns**. For example,
  + user\_id
  + forename
  + surname
  + postcode
  + picture
  + email
  + price
  + category
* **Identify the Primary Key**. Say, user\_id for the Postal Subscribers table AND pet\_ID for the pets table
* **Define the defaults**
* **Identify columns with required data**. These columns should never be allowed to be empty