**DESIGNING AN EFFICIENT RELATIONAL DATABASE MANAGEMENT SYSTEM**

T o 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