Normalization Exercise 1

Database Purpose: Track the target recipients for each mailing list.

The initial database design consists of only one table:

TargetName
Address
City
State
ZipCode
MailingListCategory1
MailingListCategory2
MailingListCategory3
MailingListCategory4
MailingListCategory5

Exercise Description:
- Refine the design on paper to conform to the 3rd normal form and meet the following business rules and design requirements.

Business Rules:
- A target recipient can be on any number of mailing lists.
- A mailing list can include any number of recipients.
- The design should allow any number of mailing list categories.
- The design should allow any number of target recipients.

Design Requirements:
- Use Crow's Foot Notation
- Specify the primary key fields in each table by specifying PK beside the fields.
- Draw a line between the fields of each table to show the relationships between each table. This line should be pointed directly to the fields in each table that are used to form the relationship.
- Specify which table is on the one side of the relationship by placing a one next to the field where the line starts.
- Specify which table is on the many side of the relationship by placing a crow's feet symbol next to the field where the line ends.