**Database Design: normalizing a set of tables (3FN)**

**Description**: The following activity was part of Unit 7 (“Database Design”) of Module 2 (“Object-oriented Information Systems”) in my PGDipin Computer Science. This Unit introduces database technologies and equips students with an understanding of the fundamental concepts and principles to successfully design a database. The purpose of this activity is to design a database to satisfy the third normal form (3NF).

**Activity**: Given the following set of tables, for our property lettings example, develop a table structure that conforms to the third normal form (3NF).

**Existing table structure**

**Properties**

Street

Postcode

Type

Bedrooms

Owner name

Owner address

Owner telephone

Price

Client name

Client Date of Birth

Client telephone

Rental start date

Duration

Pets allowed

Deposit amount

Deposit paid

**Maintenance**

Street

Postcode

Owner name

Owner telephone

Tenant name

Tenant telephone

Issue

Contractor name

Contractor telephone

Estimated cost

Resolved