Design Portfolio

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FIT2094 Databases

UNF

OWNER (own_no, own_g_name, own_f_name, own_add, (prop_no, prop_add, prop_val, prop_yr, prop_ff, (ins_code, ins_name, pol_start_date, pol_len, pol_code, pol_des)))

1NF

OWNER (own_no, own_g_name, own_f_name, own_add)

PROPERTY(own_no, prop_no, prop_add, prop_val, prop_yr, prop_ff)

RECORD(prop_no, ins_code, ins_name, pol_start_date, pol_len, pol_code, pol_des)

Partial Dependency

pol_code → pol_des

2NF

OWNER (own_no, own_g_name, own_f_name, own_add)

PROPERTY(own_no, prop_no, prop_add, prop_val, prop_yr, prop_ff)

RECORD(prop_no, ins_code, ins_name, pol_start_date, pol_len, pol_code, pol_des)

POLICY(pol_code, pol_des)

Transitive Dependency

ins_code → ins_name

3NF

OWNER (own_no, own_g_name, own_f_name, own_add)

PROPERTY(own_no, prop_no, prop_add, prop_val, prop_yr, prop_ff)

RECORD(prop_no, ins_code, ins_name, pol_start_date, pol_len, pol_code, pol_des)

POLICY(pol_code, pol_des)

INSURANCE(ins_code, ins_name)

Full Dependency

own_no → own_g_name, own_f_name, own_add

prop_no → own_no, prop_add, prop_val, prop_yr, prop_ff

prop_no, pol_code, pol_start_date → ins_code, ins_name, pol_len, pol_des

pol_code → pol_des

ins_code → ins_name