

UNF : MTREPORT(prt_no, prt_address, owner_no, owner_name, owner_address, (date_time, description, cost))

1NF : PROPERTY(prt_no, prt_address, owner_no, owner_name, owner_address)

MTRECORD(date_time, description, cost)

Partial dependencies: -

2NF : PROPERTY(prt_no, prt_address, owner_no, owner_name, owner_address)

MTRECORD(date_time, description, cost)

Transitive dependencies : ownerNo -> ownerName, ownerAddress

3NF : PROPERTY(prt_no, prt_address, owner_no)

MTRECORD(prt_no, date_time, description, cost)

OWNER(owner_no, owner_name, owner_address)

Full dependencies:

prt_no -> prt_address, owner_no

date_time, prt_no -> description, cost

owner_no -> owner_name, owner_address

UNF : PRTLEDGER (prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no, tenant_name, (number, date, type, amount, paid_by))

1NF: PRTLEDGER(prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no, tenant_name)

PAYMENT(prt_no, number, date, type, amount, paid_by)

Partial dependencies:-

2NF: PRTLEDGER(prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no, tenant_name)

PAYMENT(prt_no, number, date, type, amount, paid_by)

Transitive dependencies : tenant_no -> tenant_name

3NF : PRTLEDGER(prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no)

PAYMENT(prt_no, number, date, type, amount, paid_by)

TENANT(tenant_no, tenant_name)

Full dependencies : prt_no -> prt_address, lease_start, weekly_rental, bond, tenant_no)

prt_no, number -> date, type, amount, paid_by

tenant_no -> tenant_name

COLLECTED 3NF

1. PRTLEDGER(prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no)
2. PAYMENT(prt_no, number, date, type, amount, paid_by)
3. TENANT(tenant_no, tenant_name)
4. PROPERTY(prt_no, prt_address, owner_no)
5. MTRECORD(prt_no, date_time, description, cost)
6. OWNER(owner_no, owner_name, owner_address)

ATTRIBUTE SYNTHESIS

1 AND 4

PROPERTY(prt_no, prt_address, lease_start, weekly_rental, bond, tenant_no, owner_no)

2

PAYMENT(prt_no, number, date, type, amount, paid_by)

3

TENANT(tenant_no, tenant_name)

5

MTRECORD(prt_no, date_time, description, cost)

6

OWNER(owner_no, owner_name, owner_address)