ID:30758017

Name: ZIXIN HAO

UNF:

PROPERTY_TENANT_LEDGER(pro_no, pro_address, lease_date, weekly_rental_rate, bond, Tenant_no, Tenant_name, (pay_Number, pay_Date, pay_Type, pay_Amount, paid_by))

1NF:

Candidate key: (pro_no, lease_date,Tenant_no)

PROPERTY_TENANT_LEDGER(<u>pro_no, Tenant_no, lease_date</u>, pro_address, weekly rental rate, bond, Tenant_name)

Candidate key: (pay_Number)

PAYMENT_RECORD(<u>pro_no, Tenant_no, lease_date, pay_Number</u>, pay_Date, pay_Type, pay_Amount, paid_by)

Partial dependencies : pro_no → pro_address

 $Tenant_no \rightarrow Tenant_name$

2NF:

PROPERTY_TENANT_LEDGER(<u>pro_no, Tenant_no, lease_date</u>, weekly_rental_rate, bond)

PAYMENT_RECORD(<u>pro_no, Tenant_no, lease_date, pay_Number</u>, pay_Date, pay_Type, pay_Amount, paid_by)

PRODUCT(pro no, pro_address)

TENANT(Tenant no, Tenant name)

Transitive dependencies: no

3NF:

PROPERTY_TENANT_LEDGER(<u>pro_no, Tenant_no, lease_date</u>, weekly_rental_rate, bond)

PAYMENT_RECORD(<u>pro_no, Tenant_no, lease_date, pay_Number</u>, pay_Date, pay_Type, pay_Amount, paid_by)

PRODUCT(pro_no, pro_address)

```
TENANT(<u>Tenant_no</u>, Tenant_name)
```

Full dependencies:

(<u>pro_no, Tenant_no, lease_date</u>) → weekly_rental_rate, bond (<u>pro_no, Tenant_no, lease_date, pay_Number</u>) → pay_Date, pay_Type,

pay_Amount, paid_by)

 $\underline{\text{Pro_no}} \rightarrow \text{pro_address}$

 $\underline{\mathsf{Tenant_no}} \to \mathsf{Tenant_name}$