

Name: Rian Barrett

Student-id: 31165176

Design Portfolio – Property Inspection Sheet

UNF

PROPERTY(prop_no, prop_address, owner_no, owner_givname, owner_famname, (inspec_datetime, inspec_inspectorid, inspec_givname, inspec_famname, (item_code, item_desc, inspec_result, inspec_statement)))

1NF

PROPERTY (prop_no, prop_address, owner_no, owner_givname, owner_famname)

INSPECTION (prop_no, inspec_datetime, inspec_inspectorid, inspec_givname, inspec_famname)

ITEM (prop_no, inspec_datetime, inspec_inspectorid, item_code, item_desc, inspec_result, inspec_statement)

Partial dependencies:

inspec_inspectorid → inspec_givname, inspec_famname

item_code → item_desc

2NF

PROPERTY (prop_no, prop_address, owner_no, owner_givname, owner_famname)

INSPECTOR(inspec_inspectorid, inspec_givname, inspec_famname)

INSPECTION (prop_no, inspec_datetime, inspec_inspectorid)

ITEM (prop_no, inspec_datetime, inspec_inspectorid, item_code, inspec_result, inspec_statement)

ITEM_DESC(item_code, item_desc)

Transitive dependencies:

owner_no → owner_givname, owner_famname

3NF

OWNER(owner_no, owner_givname, owner_famname)

PROPERTY (prop_no, prop_address, owner_no)

INSPECTOR(inspec_inspectorid, inspec_givname, inspec_famname)

INSPECTION (prop_no, inspec_datetime, inspec_inspectorid)

ITEM_DESC(item_code, item_desc)

ITEM (prop_no, inspec_datetime, inspec_inspectorid, item_code, inspec_result, inspec_statement)

Full Dependencies:

owner_no \rightarrow owner_givname, owner_famname

prop_no \rightarrow prop_address, owner_no

inspec_inspectorid \rightarrow inspec_givname, inspec_famname

item_code \rightarrow item_desc

prop_no, inspec_datetime, inspec_inspectorid, item_code \rightarrow inspec_result, inspec_statement