Full name (F,M,L)
Phone*
Address (State, City, Street, Zip)
Date of birth (D,M,Y)
Email address
Percentage to pay management services

SSN
Full name (F,M,L)
Phone*
Address (State, City, Street, Zip)
Date of birth (d,m,y)
Email address

Lease ID
One months rent

Damage type
Damage cost
Damages as they occur
Damages on move-out

Individual property owners

Deposits

Damages

Property managers

Pays — 1:1 — 1:1 — 1:N

Owes

pays

Individual property owners 1:1

1:N

Owns

Manages

1:N

1:N

Rent

1:1

Tenants 1:1 — 1:N

Signs

1:1

Lease

1:1

1:1

Rental properties 1:1 — 1:N

1:1

1:1

1:1

House type

1:1

Lease Agreement ID
Price
Duration
Start date
End date
Number of people on lease
Apartment type
Cosigner

Property ID number
Address (State, City, Street, Zip)
Zoning information
Parking zone
Number of people in property
Rent price per month
Utilities included or not (Yes,No)
Water utility company
Gas utility company
Electric utility company
Wifi Included or not (Yes,No)
Amenities
Fully furnished (Yes, No)
Walking distance to campus
Square footage

Apartment Number
Number of tenants
Rent fee
Floor
Apartment
Single family home

Take — 1:1 — Background check — 1:1 — Approves

Tenant ID
SSN or Passport Number (for international students)
Full name (F,M,L)
Phone*
Address (State, City, Street, Zip)
Date of birth
Email address
Crime history
Credit Score
Emergency contact

SSN or Passport number (For international tenants)
Approval Status
Full name(F,M,L)
Phone*
Date of birth (D,M,Y)
Email address
Lease
Crime History
Requires disability accommodation

Team 85
Members:Seong Hoon Ha, Adam Regan, Shane Christie, Ingrid Romero

Strong Entities

House Type(Apartment Number, Rent Fee, Floor, Apartment, Single family home, SSN →,
Tenant ID →)

Tenants (Tenant ID, Fname, Mname, Lname, Address(State, City, Street, Zip), Date of
birth, Email address, Credit score, Emergency contact, SSN →, Lease Agreement ID →)

Tenants_phone(Tenant ID→, phone, type)

Property Managers(SSN, Fname, Mname, Lname, Address(State,city,street,zip), DOB
(d,m,y), Email Address)

Property Managers_phone(SSN →, phone, type)

Rental Properties (Property ID number, Address (State, City, Street, ZIp), Number of people
in property, Rent price per month, Utilities include or not (Y or N), Wifi included or not (Y or
N), Walking distance to campus, Square footage

Lease (Lease Agreement ID, Price, Duration, Start date, End date, Number of people on
lease, Apartment type, Cosigner, Tenant ID →)

Property Managers_Rental Properties(SSN →, Property ID number →)

Weak Entities

Deposits (Lease ID, One month rent, Tenant ID->, Lease Agreement ID->)

Damages (Damage type, Damage cost, Damage as they occur, Damages on move-out,
Lease Agreement ID->, Tenant Id->)

Background Check (Approval status, Day DOB, Month DOB, Year DOB, Lease, Crime
History, Requires disability accommodation, Lease Agreement ID->, Tenant ID ->)

Individual Property Owners (Fname, Mname, Lname, Phone, State Address, City Address, Street Address, Zip Address, Day DOB, Month DOB, Year DOB, Email address, percentage to pay management services, Property ID number->, SSN->)

Other relationships
Pays
Owns
Rent
Take
Owes
Pays
Signs
Approves

Potential Queries
- Name of cosigner that signed tenant's lease.
- Number of tenants that had to pay for damages.
- Number of rental properties that the property managers oversee.
- Amount tenants owe to property managers.
- How much a tenant needs to put down for a deposit.

Additional Changes to ERD
- (Damages) will have a relationship to (pays) instead of lease.