

Project: **Grizz Housing**

Entity Relationship Diagram

Presented to

Dr. Yaman Roumani

Prepared by

Gaby P, Ori O, Ruma Begum, Elli N, Kelly G

Oakland University

School of Business Administration

Entity Listing

Profile:

- ConsumerUser:
 - **userID** (PK)
 - firstName
 - lastName
 - phoneNumber
 - emailAddress
 - emailAddressOU
- Preference:
 - **preferenceID** (PK)
 - userID (FK)
 - minBedrooms
 - minBathrooms
 - minSize
 - maxSize
 - minRentAmount
 - maxRentAmount
 - parking (free/paid/no)
 - furnished (yes/no)
 - laundry (yes/no)
 - petsAllowed (yes/no)
 - smokingAllowed (yes/no)
- Landlord:
 - **landlordID** (PK)
 - firstName
 - lastName
 - phoneNumber
 - emailAddress
 - contactPhone
 - contactEmail
 - contactHours
- FavoritedApartment:
 - **favoriteID** (PK)
 - userID (FK)
 - apartmentID (FK)

Listing:

- Apartment.
 - **apartmentID** (PK)
 - landlordID (FK)
 - type
 - addressLine1
 - addressLine2
 - city
 - state
 - zipCode
 - noOfBedrooms
 - noOfBathrooms
 - size
 - parking (free/paid/no)
 - furnished (yes/no)
 - laundry (yes/no)
 - petsAllowed (yes/no)
 - smokingAllowed (yes/no)
 - apartmentOverview
 - rentAmount
 - dateAvailable
- Report.
 - **reportID** (PK)
 - description
- SavedApartments.
 - **savedApartmentID** (PK)
 - apartmentID (FK)
- SavedFilters.
 - **savedFilterID** (PK)
 - Query
- Application
 - **applicationID** (PK)
 - moveInDate
 - tenancyLength
 - dateOfBirth
 - ssnLast4
 - photoID_type
 - photoID#

- noOfOccupants
- noOfVehicles
- pets (yes/no)
- currentAddress
- occupation
- employer
- employerContact
- monthlyIncome
- emergencyContact
- tenantSignature
- ownerSignature
- date
- RentingApartment (when an apartment is rented to ConsumerUser(s)):
 - **rentingID** (PK)
 - apartmentID (FK)
 - userID (FK)

Communications:

- Price Drop
 - **PriceDropID**
 - PDDate
 - PDTime
 - PDAmount
 - PDExpire
 - ApartmentID (FK)
- Payment Due
 - **PayDueID**
 - PayDueDate
 - PayDueTime
 - PayDueAmount
 - userID (FK)
- Listing Notification
 - **LisingNotifyID**
 - LNDate
 - LNTime
 - ApartmentID (FK)

- userID (FK)
- Chat Message
 - **MessageID**
 - Date
 - Time
 - messageText
 - userID (FK) *who sent it*
- Application Notification
 - **AppNotifyID**
 - ANDate
 - ANTime
 - ApplicationID (FK)
 - userID (FK)
- Application Selection Notification
 - **SelectAppNotifyID**
 - SANDate
 - SANTime
 - ApplicationID (FK)
 - userID (FK)
- RoommateMatch **(UNARY RELATIONSHIP WITH CUSTOMERS THAT ARE ROOMMATES)**
 - **RoomMatchNotifyID**
 - RMNDate
 - RMNTime
 - userID (FK)

Payment:

- UserPayment.
 - **UserPaymentID** (PK)
 - PaymentMethod (Credit/Debit)
 - UPEXternal(Paypal)
 - UPTransactionHistory
 - UPSplit
 - UPBalance
 - userID (FK)

- LatePaymentRequest.
 - **LatePaymentRequestID** (PK)
 - LPRDate
 - LPRPaymentMethod
 - LPRAmount
 - LPRFee
 - landlordID (FK)

Analytics & Review:

- Review.
 - **ReviewID**
 - Date
 - Time
 - ReviewText
 - Rating
 - UserID (FK)
 - ApartmentID (FK)
- ReviewComment.
 - **RevCommentID**
 - Date
 - Time
 - RevCommentText
 - ReviewID (FK)