

# P3. FINAL ERD

## Changes made in Final ERD:

- Removed One-to-many relationship between University to Accommodation and added a new Transportation Entity, with attributes like primary key as Transportation\_ID, and foreign key from other entities like Distance\_ID, Accommodation\_ID and University\_ID to connect the University and Accommodation entities.
- Removed relationship between User entity and billing system entity as bill is generated to tenant through booking entity.
- Added a new entity, property owned as an associative entity with attributes like primary key as PropertyID, foreign key as LandlordID and Accommodation\_ID by removing many-to-many relationship between Landlord and Accommodation
- Distance is changed into an associative entity between University and Accommodation by removing many-to-many relationship with attributes like primary key as Distance\_ID, foreign key as University\_ID and Accommodation\_ID
- Changed Review and rating as an associative entity between Accommodation and Tenant entities with attributes like primary key as Review\_ID, foreign key as Tenant\_ID and Accommodation\_ID
- Changed the relationship between accommodation to amenities from many-to-many to one-to-optional.
- Messaging system is changed into an associative entity with unary relationship of User entity.

## FINAL ERD

