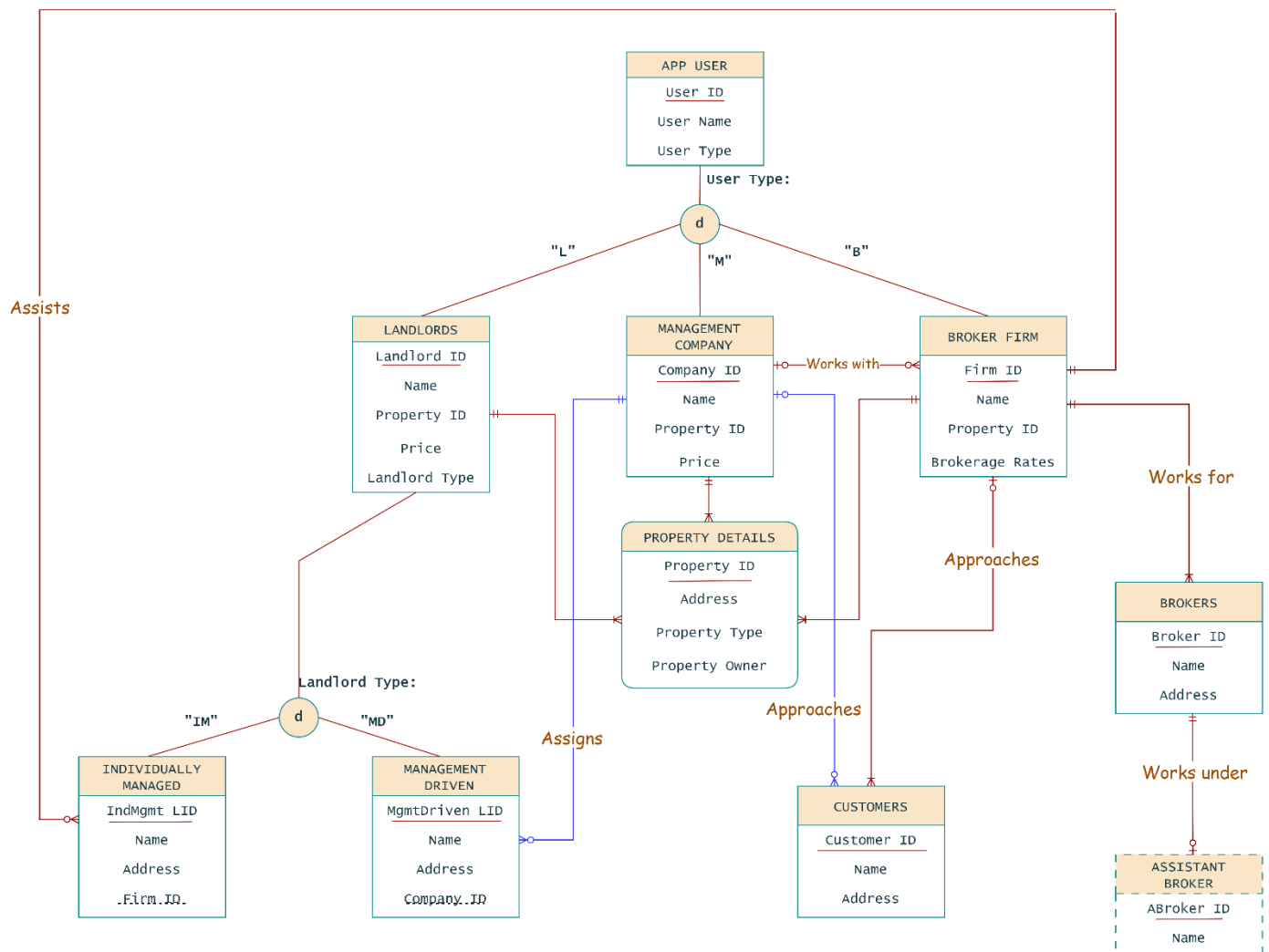


House Rental Database System

Group 2

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Final ERD:



New Database Design:

Following are the functionalities and key database design:

The app requires users to create an account by providing their name and selecting a user type from three options: Landlord, Management Company, or Broker Firm. Each user type has specific requirements and features.

Landlords need to enter their name, property ID, price, and details of their property while listing it on the app. They are then assigned a unique ID number and presented with two options: individually managed or managed by a management company. The first option is for landlords who manage their property themselves, while the second is for those who connect with a management company to handle property management tasks.

Management companies need to provide their name, property ID, price, and company ID to use the app. They have partnerships with broker firms and take on all property management responsibilities, including maintenance and repairs.

Broker firms have their own unique firm ID, name, Property ID, and brokerage rates. They have a network of brokers located throughout the city, each with their own broker ID, name, and work address. Primary brokers may have an assistant, and a brokerage firm can have one or more primary brokers associated with it.

Customers seeking rentals can approach broker firms or management companies. These entities have access to properties and their details listed by landlords on the app and assist customers in finding a suitable accommodation.

Changes made to Initial ERD:

Corrected the User Types and placed Broker Firms as one of the User Type for the app user.

Individually Managed and Management Driven have been corrected as per Landlord Type. The first option is for landlords who manage their property themselves, while the second is for those who connect with a management company to handle property management tasks.

Property Details have property Owner attribute which gives info on who owns the property.

Broker Firms have a network of brokers located throughout the city, each with their own broker ID, name, and work address. Primary brokers may have an assistant, and a brokerage firm can have one or more primary brokers associated with it. Brokers will work for Broker Firms and Assistant Broker works for primary Brokers.

Property Details have been linked with different user types and customers approaches either broker firms or management company which have details of properties.