package com.brokerportal.entity;

import jakarta.persistence.\*;

import lombok.AllArgsConstructor;

import lombok.Getter;

import lombok.NoArgsConstructor;

import lombok.Setter;

@Entity

@Table(name = "broker")

@Getter

@Setter

@NoArgsConstructor

@AllArgsConstructor

public class Broker {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long brokerId;

@Column(nullable = false)

private String name;

@Column(nullable = false, unique = true)

private String email;

@Column(nullable = false)

private String password;

}

@Entity

@Table(name = "client")

@Getter

@Setter

@NoArgsConstructor

@AllArgsConstructor

public class Client {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long clientId;

@Column(nullable = false)

private String name;

@Column(nullable = false, unique = true)

private String email;

@Column(nullable = false)

private String address;

}

@Entity

@Table(name = "location")

@Getter

@Setter

@NoArgsConstructor

@AllArgsConstructor

public class Location {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long locationId;

@Column(nullable = false, unique = true)

private String zipCode;

private double distanceToRiver;

private double distanceToCoast;

private double elevation;

}

@Entity

@Table(name = "quote")

@Getter

@Setter

@NoArgsConstructor

@AllArgsConstructor

public class Quote {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long quoteId;

@ManyToOne

@JoinColumn(name = "client\_id")

private Client client;

@ManyToOne

@JoinColumn(name = "location\_id")

private Location location;

@Column(nullable = false)

private String homeType;

private String foundationType;

private boolean hasBasement;

private int noOfStories;

private int ageOfBuilding;

private double firstFloorHeight;

private String constructionType;

}

@Entity

@Table(name = "premium")

@Getter

@Setter

@NoArgsConstructor

@AllArgsConstructor

public class Premium {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long premiumId;

@OneToOne

@JoinColumn(name = "quote\_id")

private Quote quote;

@Column(nullable = false)

private double calculatedPremium;

}