package com.example.containmentzone\_alert.models;

public class Enterrestricted {

private double blLatitude, blLongitude;

private String address = "";

private String meaningfulDateTime;

private long verifiedCount, unverifiedCount;

private String rawDateTime, latLon;

public MatchedLocation() {

}

public Enterrestricted(double blLatitude, double blLongitude, String address, long verifiedCount, long unverifiedCount) {

this.blLatitude = blLatitude;

this.blLongitude = blLongitude;

this.address = address;

this.meaningfulDateTime = "within last 7 days";

this.verifiedCount = verifiedCount/4;

if(this.verifiedCount==0 && verifiedCount!=0)

this.verifiedCount = 1;

this.unverifiedCount = unverifiedCount/4;

if(this.unverifiedCount==0 && unverifiedCount!=0)

this.unverifiedCount = 1;

this.rawDateTime = "";

this.latLon = "";

}

public Enterrestricted(String latLon, String dateTime, long verifiedCount, long unverifiedCount) {

// get latitude, longitude

latLon = latLon.replace('@', '.');

String[] splitLatitude = latLon.split(",");

this.blLatitude = Double.valueOf(splitLatitude[0]);

this.blLongitude = Double.valueOf(splitLatitude[1]);

// get meaningfulDateTime

String[] splitDateTime = dateTime.split("-");

// Month date, time

this.meaningfulDateTime =

month(Integer.parseInt(splitDateTime[0])) +

" "+splitDateTime[1] +

", "+time(Integer.parseInt(splitDateTime[2]));

this.verifiedCount = verifiedCount/4;

if(this.verifiedCount==0 && verifiedCount!=0)

this.verifiedCount = 1;

this.unverifiedCount = unverifiedCount/4;

if(this.unverifiedCount==0 && unverifiedCount!=0)

this.unverifiedCount = 1;

this.address = "fetching address";

this.rawDateTime = dateTime;

this.latLon = latLon;

}

public double getBlLatitude() {

return blLatitude;

}

public void setBlLatitude(double blLatitude) {

this.blLatitude = blLatitude;

}

public double getBlLongitude() {

return blLongitude;

}

public void setBlLongitude(double blLongitude) {

this.blLongitude = blLongitude;

}

public String getAddress() {

return address;

}

public void setAddress(String address) {

this.address = address;

}

public String getMeaningfulDateTime() {

return meaningfulDateTime;

}

public void setMeaningfulDateTime(String meaningfulDateTime) {

this.meaningfulDateTime = meaningfulDateTime;

}

public long getVerifiedCount() {

return verifiedCount;

}

public void setVerifiedCount(long verifiedCount) {

this.verifiedCount = verifiedCount;

}

public long getUnverifiedCount() {

return unverifiedCount;

}

public void setUnverifiedCount(long unverifiedCount) {

this.unverifiedCount = unverifiedCount;

}

public String getRawDateTime() {

return rawDateTime;

}

public void setRawDateTime(String rawDateTime) {

this.rawDateTime = rawDateTime;

}

public String getLatLon() {

return latLon;

}

public void setLatLon(String latLon) {

this.latLon = latLon;

}

private String time(int time) {

if(time==0)

return "12AM";

if(time<12)

return time+"AM";

else

return (time-12)+"PM";

}

private String month(int month) {

switch (month){

case 1:

return "January";

case 2:

return "February";

case 3:

return "March";

case 4:

return "April";

case 5:

return "May";

case 6:

return "June";

case 7:

return "July";

case 8:

return "August";

case 9:

return "September";

case 10:

return "October";

case 11:

return "November";

case 12:

return "December";

default:

return "Unknown month";

}

}

@Override

public String toString() {

return "MatchedLocation{" +

"blLatitude=" + blLatitude +

", blLongitude=" + blLongitude +

", address='" + address + '\'' +

", meaningfulDateTime='" + meaningfulDateTime + '\'' +

", verifiedCount=" + verifiedCount +

", unverifiedCount=" + unverifiedCount +

'}';

}

}