package com.domain;

import java.util.Date;

public class Node {

private Date timestamp;

private String data;

private Integer nodeNumber;

private String nodeId;

private String referenceNodeId;

private String childReferenceNodeId;

private String genesisReferenceNodeId;

private String hash;

public Date getTimestamp() {

return timestamp;

}

public void setTimestamp(Date timestamp) {

this.timestamp = timestamp;

}

public String getData() {

return data;

}

public void setData(String data) {

this.data = data;

}

public Integer getNodeNumber() {

return nodeNumber;

}

public void setNodeNumber(Integer nodeNumber) {

this.nodeNumber = nodeNumber;

}

public String getNodeId() {

return nodeId;

}

public void setNodeId(String nodeId) {

this.nodeId = nodeId;

}

public String getReferenceNodeId() {

return referenceNodeId;

}

public void setReferenceNodeId(String referenceNodeId) {

this.referenceNodeId = referenceNodeId;

}

public String getChildReferenceNodeId() {

return childReferenceNodeId;

}

public void setChildReferenceNodeId(String childReferenceNodeId) {

this.childReferenceNodeId = childReferenceNodeId;

}

public String getGenesisReferenceNodeId() {

return genesisReferenceNodeId;

}

public void setGenesisReferenceNodeId(String genesisReferenceNodeId) {

this.genesisReferenceNodeId = genesisReferenceNodeId;

}

public String getHash() {

return hash;

}

public void setHash(String hash) {

this.hash = hash;

}

@Override

public int hashCode() {

final int prime = 31;

int result = 1;

result = prime \* result + ((childReferenceNodeId == null) ? 0 : childReferenceNodeId.hashCode());

result = prime \* result + ((data == null) ? 0 : data.hashCode());

result = prime \* result + ((genesisReferenceNodeId == null) ? 0 : genesisReferenceNodeId.hashCode());

result = prime \* result + ((nodeId == null) ? 0 : nodeId.hashCode());

result = prime \* result + ((nodeNumber == null) ? 0 : nodeNumber.hashCode());

result = prime \* result + ((referenceNodeId == null) ? 0 : referenceNodeId.hashCode());

result = prime \* result + ((timestamp == null) ? 0 : timestamp.hashCode());

return result;

}

@Override

public boolean equals(Object obj) {

if (this == obj)

return true;

if (obj == null)

return false;

if (getClass() != obj.getClass())

return false;

Node other = (Node) obj;

if (childReferenceNodeId == null) {

if (other.childReferenceNodeId != null)

return false;

} else if (!childReferenceNodeId.equals(other.childReferenceNodeId))

return false;

if (data == null) {

if (other.data != null)

return false;

} else if (!data.equals(other.data))

return false;

if (genesisReferenceNodeId == null) {

if (other.genesisReferenceNodeId != null)

return false;

} else if (!genesisReferenceNodeId.equals(other.genesisReferenceNodeId))

return false;

if (nodeId == null) {

if (other.nodeId != null)

return false;

} else if (!nodeId.equals(other.nodeId))

return false;

if (nodeNumber == null) {

if (other.nodeNumber != null)

return false;

} else if (!nodeNumber.equals(other.nodeNumber))

return false;

if (referenceNodeId == null) {

if (other.referenceNodeId != null)

return false;

} else if (!referenceNodeId.equals(other.referenceNodeId))

return false;

if (timestamp == null) {

if (other.timestamp != null)

return false;

} else if (!timestamp.equals(other.timestamp))

return false;

return true;

}

public Node(Date timestamp, String data, Integer nodeNumber, String nodeId, String referenceNodeId,

String childReferenceNodeId, String genesisReferenceNodeId) {

super();

this.timestamp = timestamp;

this.data = data;

this.nodeNumber = nodeNumber;

this.nodeId = nodeId;

this.referenceNodeId = referenceNodeId;

this.childReferenceNodeId = childReferenceNodeId;

this.genesisReferenceNodeId = genesisReferenceNodeId;

this.hash = String.valueOf(hashCode());

}

}