Jegyzőkönyv  
Adatkezelés XML környezetben Féléves feladat

Donga Dániel

PIUMNI

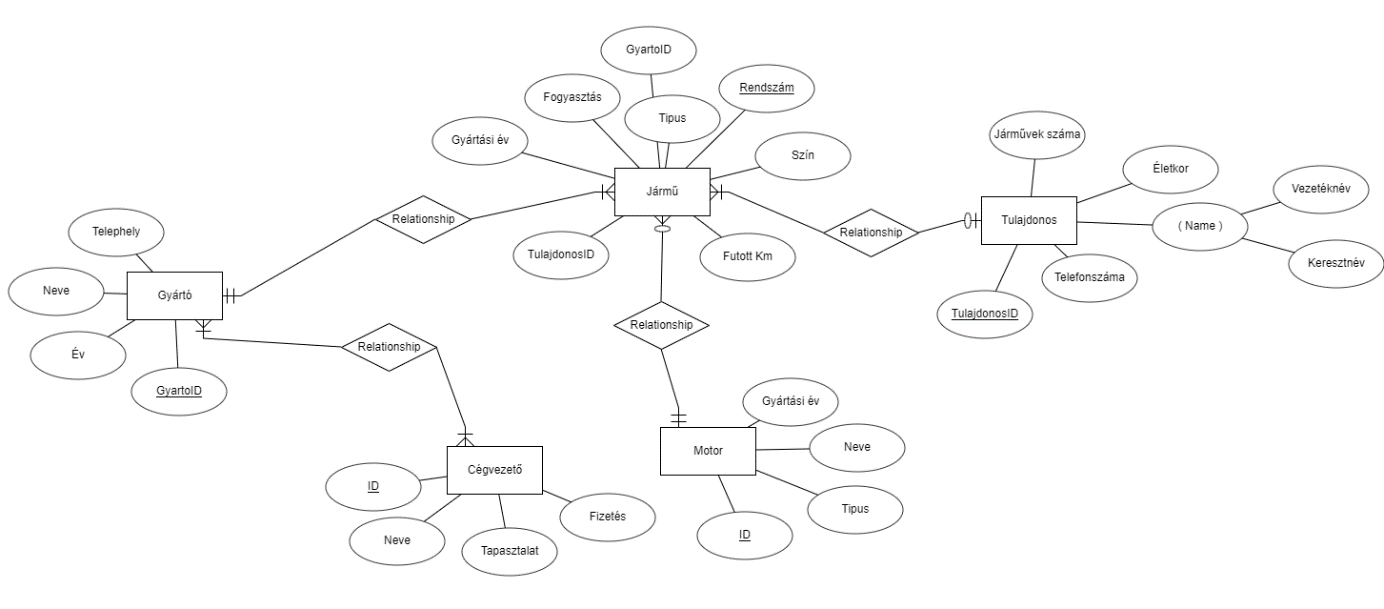
Feladat rövid leírása:

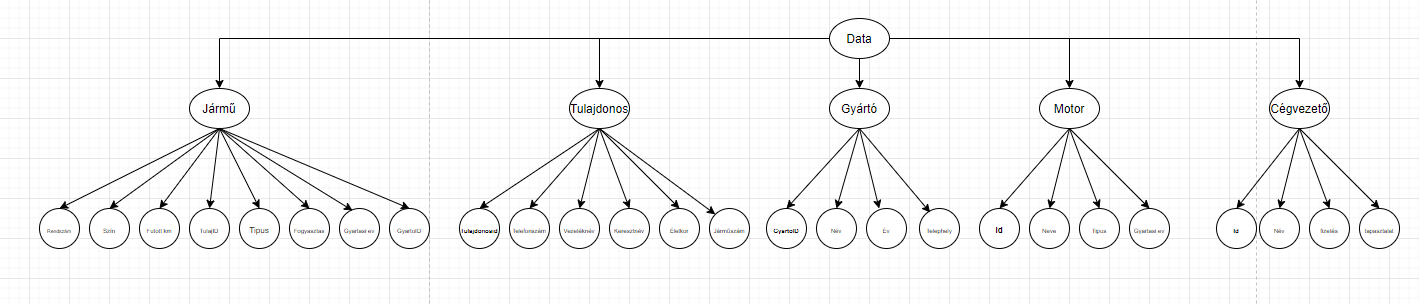
Egy jármű nyilvántartó rendszer elkészítése, amely a járművek részletes adatait tárolja, továbbá a járművek tulajdonosaival, és azok adataival foglalkozik.  
A tulajdonos és a jármű 1:N kapcsolat, mivel egy tulajdonosnak több járműve is lehet.

A különböző típusú járműveket gyártó cégeket is nyilvántartjuk, és azok részletes adatait.

Ez egy 1:N kapcsolat, hiszen egy gyártóhoz több jármű is tartozik.

1.Er model :



2. XDM modellre történő konvertálás : 

3. Xml dokumentum elkészítése

[<data xsi:schemaLocation="**XMLSchemaPIUMNI.xsd**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**" xmlns="**data**"><tulajdonosok><tulajdonos id="**tulaj1**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

[<nev>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<vezeteknev>Nagy</vezeteknev>

<keresztnev>Pista</keresztnev>

</nev>

<eletkora>36</eletkora>

<jarmuvekszama>2</jarmuvekszama>

<telefonszama>3630457645</telefonszama>

</tulajdonos>

[<tulajdonos id="**tulaj2**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

[<nev>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<vezeteknev>Kis</vezeteknev>

<keresztnev>Bence</keresztnev>

</nev>

<eletkora>29</eletkora>

<jarmuvekszama>1</jarmuvekszama>

<telefonszama>062057535</telefonszama>

</tulajdonos>[<tulajdonos id="**tulaj3**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

[<nev>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<vezeteknev>Varga</vezeteknev>

<keresztnev>János</keresztnev>

</nev>

<eletkora>44</eletkora>

<jarmuvekszama>2</jarmuvekszama>

<telefonszama>46124624</telefonszama>

</tulajdonos>

</tulajdonosok>

[<jarmuvek><jarmu tulajid="**tulaj2**" gyartoid="**gyarto2**" rsz="**ETR-235**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<fogyasztas>8l/100</fogyasztas>

<tipus>AudiR8</tipus>

<szine>Fehér</szine>

<futottkm>80,000km</futottkm>

<gyartasiev>2012</gyartasiev>

</jarmu>

[<jarmu tulajid="**tulaj1**" gyartoid="**gyarto3**" rsz="**RTT-745**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<fogyasztas>17l/100</fogyasztas>

<tipus>Chevrolette Camaro</tipus>

<szine>Sárga</szine>

<futottkm>65,000km</futottkm>

<gyartasiev>2014</gyartasiev>

</jarmu>[<jarmu tulajid="**tulaj1**" gyartoid="**gyarto1**" rsz="**LJS-732**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<fogyasztas>15l/100</fogyasztas>

<tipus>Lamborghini hurrican</tipus>

<szine>Zöld</szine>

<futottkm>40,000km</futottkm>

<gyartasiev>2017</gyartasiev>

</jarmu>

[<jarmu tulajid="**tulaj3**" gyartoid="**gyarto1**" rsz="**FDG-345**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<fogyasztas>14l/100</fogyasztas>

<tipus>Lamborghini aventador</tipus>

<szine>Fehér</szine>

<futottkm>80,000km</futottkm>

<gyartasiev>2011</gyartasiev>

</jarmu>

[<jarmu tulajid="**tulaj3**" gyartoid="**gyarto2**" rsz="**XCV-842**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<fogyasztas>11l/100</fogyasztas>

<tipus>Audi Rs6</tipus>

<szine>Fekete</szine>

<futottkm>120,000km</futottkm>

<gyartasiev>2018</gyartasiev>

</jarmu>

</jarmuvek>

[<gyartok id="**gyarto1**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

[<gyarto>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<nev>Lamborghini</nev>

<ev>1949</ev>

<telephely>U.K</telephely>

</gyarto>

[<gyarto id="**gyarto2**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<nev>Audi</nev>

<ev>1936</ev>

<telephely>Germany</telephely>

</gyarto>

[<gyarto id="**gyarto3**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20600\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\bin\XMLPIUMNI.xml)

<nev>Chevrolette</nev>

<ev>1966</ev>

<telephely>Usa</telephely>

</gyarto>

</gyartok>

[<motorok>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

[<motor id="**1**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

<nev>Siemens</nev>

<gyartasiev>2002</gyartasiev>

<tipusa>Dizel</tipusa>

</motor>

[<motor id="**2**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

<nev>Volvo</nev>

<gyartasiev>1988</gyartasiev>

<tipusa>Benzin</tipusa>

</motor>

[<motor id="**3**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

<nev>Tesla</nev>

<gyartasiev>2011</gyartasiev>

<tipusa>Elekttromos</tipusa></motor></motorok>

[<cegvezetok>](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

[<cegvezeto id="**1**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)<nev>Béla</nev>

<tapasztalat>8 év</tapasztalat>

<fizetés>1,200,000 ft</fizetés>

</cegvezeto>

[<cegvezeto id="**2**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

<nev>Pista</nev>

<tapasztalat>16 év</tapasztalat>

<fizetés>1,800,000 ft</fizetés>

</cegvezeto>[<cegvezeto id="**3**">](file:///C:\Users\Donga%20Dániel\Desktop\xml%20900\PIUMNIxmlGyak\xml%20beadando\java\DomReadPIUMNI\XMLPIUMNI.xml)

<nev>Béla</nev>

<tapasztalat>12 év</tapasztalat>

<fizetés>1,130,000 ft</fizetés>

</cegvezeto>

</cegvezetok>

</data>

**3. XDM modell Készítése.**

<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" targetNamespace="data" xmlns:xs="http://www.w3.org/2001/XMLSchema">

    <xs:element name="data">

        <xs:complexType>

            <xs:sequence>

                <xs:element name="tulajdonosok">

                    <xs:complexType>

                        <xs:sequence>

  <xs:element name="tulajdonos" maxOccurs="unbounde" minOccurs="0">

                                <xs:complexType>

                                    <xs:sequence>

                                        <xs:element name="nev">

                                            <xs:complexType>

                                               <xs:sequence>                     <xs:element type="xs:string" name="vezeteknev"/>

  <xs:element type="xs:string" name="keresztnev"/>

                                                </xs:sequence>

                                            </xs:complexType>

                                        </xs:element>

                               <xs:element type="xs:byte" name="eletkora"/>

                          <xs:element type="xs:byte" name="jarmuvekszama"/>

                           <xs:element type="xs:long" name="telefonszama"/>

                                    </xs:sequence>

                      <xs:attribute type="xs:string" name="id"se="optional"/>

                                </xs:complexType>

                            </xs:element>

                        </xs:sequence>

                    </xs:complexType>

                </xs:element>

                <xs:element name="jarmuvek">

                    <xs:complexType>

                        <xs:sequence>

                <xs:element name="jarmu" maxOccurs="unbounded" minOccurs="0">

                                <xs:complexType>

                                    <xs:sequence>

                              <xs:element type="xs:string" name="fogyasztas"/>

                                 <xs:element type="xs:string" name="tipus"/>

                               <xs:element type="xs:string" name="szine"/>

                              <xs:element type="xs:string" name="f                                      <xs:element type="xs:short" name="gyartasiev"/>

                                    </xs:sequence>

                  <xs:attribute type="xs:string" name="rsz" use="optional"/                   <xs:attribute type="xs:string" name="gyartoid" use="optional">

               <xs:attribute type="xs:string" name="tulajid" use="optional"/>

                                </xs:complexType>

                            </xs:element>

                        </xs:sequence>

                    </xs:complexType>

                </xs:element>

                <xs:element name="gyartok">

                    <xs:complexType>

                        <xs:sequence>

               <xs:element name="gyarto" maxOccurs="unbounded" minOccurs="0">

                                <xs:complexType>

                                    <xs:sequence>

                                    <xs:element type="xs:string" name="nev"/>

                                      <xs:element type="xs:short" name="ev"/>

                              <xs:element type="xs:string" name="telephely"/>

                                    </xs:sequence>

                    <xs:attribute type="xs:string" name="id" use="optional"/>

                                </xs:complexType>

                            </xs:element>

                        </xs:sequence>

                        <xs:attribute type="xs:string" name="id"/>

                    </xs:complexType>

                </xs:element>

            </xs:sequence>

        </xs:complexType>

    </xs:element>

</xs:schema>

4 Dom készítése (Olvasás) :

import org.w3c.dom.Document;

import org.w3c.dom.Element;

import org.w3c.dom.Node;

import org.w3c.dom.NodeList;

import org.xml.sax.SAXException;

import javax.xml.parsers.DocumentBuilder;

import javax.xml.parsers.DocumentBuilderFactory;

import javax.xml.parsers.ParserConfigurationException;

import javax.xml.transform.TransformerException;

import java.io.File;

import java.io.IOException;

import java.util.Scanner;

public class DomReadPIUMNI {

public static void main(String[] args) throws ParserConfigurationException, IOException, SAXException, TransformerException {

try {

File xmlFile = new File("XMLPIUMNI.xml");

DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();

DocumentBuilder dBuilder = factory.newDocumentBuilder();

Document doc = dBuilder.parse(xmlFile);

doc.getDocumentElement().normalize();

System.out.println("Donga Daniel beadando");

Action(doc);

}catch (ParserConfigurationException pce) {

pce.printStackTrace();

} catch (TransformerException tfe) {

tfe.printStackTrace();

} catch (IOException ioe) {

ioe.printStackTrace();

} catch (SAXException sae) {

sae.printStackTrace();

}

}

public static void Action(Document doc) throws TransformerException {

System.out.println("Press 1 to read data");

System.out.println("Press 2 to edit data");

int action = ReadCategory();

switch (action) {

case 1:

Read(doc);

break;

case 2:

Update(doc);

break;

default:

Action(doc);

break;

}

}

public static int ReadCategory() {

Scanner scan = new Scanner(System.in);

System.out.println("Adja meg a sorszamot:");

int readCategory = scan.nextInt();

return readCategory;

}

public static void Update(Document doc) throws TransformerException {

System.out.println(" XML Editing.. \n");

System.out.println("What do you want to edit ? ");

System.out.println("1. Car\n2. Manufacture \n3. owner ");

int category = 0;

category = ReadCategory();

ShowElementUpdates(category, doc);

}

public static void Read(Document doc) {

System.out.println("XML reading.. \n");

System.out.println("What do you want to read? ");

System.out.println("1. Car\\n2. Manufacture \\n3. owner");

int category = 0;

category = ReadCategory();

ShowCategoryElements(category, doc);

}

public static void ShowCategoryElements(int category, Document doc) {

switch (category) {

case 1:

ReadCar(doc);

break;

case 2:

ReadGyar(doc);

break;

case 3:

Readtulajdonos(doc);

break;

default:

int newCategory = ReadCategory();

ShowCategoryElements(newCategory, doc);

break;

}

}

public static void ShowElementUpdates(int category, Document doc) throws TransformerException {

switch (category) {

case 1:

DOMModifyPIUMNI.UpdateCar(doc);

break;

case 2:

DOMModifyPIUMNI.UpdateGyar(doc);

break;

case 3:

DOMModifyPIUMNI.UpdateTulajdonos(doc);

break;

}

}

public static void Readtulajdonos(Document doc) {

NodeList nList = doc.getElementsByTagName("tulajdonos");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

NodeList cList = nList.item(i).getChildNodes();

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String tulajid = element.getAttribute("id");

Node node1 = element.getElementsByTagName("eletkora").item(0);

String age = node1.getTextContent();

Node node2 = element.getElementsByTagName("jarmuvekszama").item(0);

String jarmuvekszama = node2.getTextContent();

Node node4 = element.getElementsByTagName("telefonszama").item(0);

String phonenumber = node4.getTextContent();

String firstname = "";

String lastname = "";

for (int j = 0; j < cList.getLength(); j++) {

Node cnode1 = element.getElementsByTagName("vezeteknev").item(0);

firstname = cnode1.getTextContent();

Node cnode2 = element.getElementsByTagName("keresztnev").item(0);

lastname = cnode2.getTextContent();

}

System.out.println("Tulajdonos id:" + tulajid + "\tEletkor: " + age + "\tJarmuvek szama: " + jarmuvekszama

+ "\tTelefonszam : " + phonenumber + "\t Firstname = : " + firstname + " lastname = " + lastname

);

}

}

}

public static void ReadGyar(Document doc) {

NodeList nList = doc.getElementsByTagName("gyarto");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String gyartoid = element.getAttribute("id");

Node node1 = element.getElementsByTagName("nev").item(0);

String name = node1.getTextContent();

Node node2 = element.getElementsByTagName("ev").item(0);

String year = node2.getTextContent();

Node node3 = element.getElementsByTagName("telephely").item(0);

String telephely = node3.getTextContent();

System.out.println("Gyarto id:" + gyartoid + "\tNev: " + name + "\tÉv: " + year

+ "\tTelephely: " + telephely);

}

}

}

public static void ReadCar(Document doc) {

NodeList nList = doc.getElementsByTagName("jarmu");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String rsz = element.getAttribute("rsz");

String tulajid = element.getAttribute("tulajid");

String gyartoid = element.getAttribute("gyartoid");

Node node1 = element.getElementsByTagName("fogyasztas").item(0);

String fogyasztas = node1.getTextContent();

Node node2 = element.getElementsByTagName("tipus").item(0);

String type = node2.getTextContent();

Node node3 = element.getElementsByTagName("szine").item(0);

String color = node3.getTextContent();

Node node4 = element.getElementsByTagName("futottkm").item(0);

String futottkm = node4.getTextContent();

Node node5 = element.getElementsByTagName("gyartasiev").item(0);

String gyartasiev = node5.getTextContent();

System.out.println(" Rendszam :" + rsz + "\tTulajd id:" + tulajid + "\t gyarto id id:" + gyartoid

+ "\tfogyasztas: " + fogyasztas + "\ttipus: " + type + "\tSzine: "

+ color + "\tFutott km : " + futottkm + "\tGyartasi ev: " + gyartasiev);

}

}

}

}

4.Dom készítése (Szerkeztés ):

import org.w3c.dom.Document;

import org.w3c.dom.Element;

import org.w3c.dom.Node;

import org.w3c.dom.NodeList;

import java.io.File;

import java.util.Scanner;

import javax.xml.transform.Transformer;

import javax.xml.transform.TransformerException;

import javax.xml.transform.TransformerFactory;

import javax.xml.transform.dom.DOMSource;

import javax.xml.transform.stream.StreamResult;

public class DOMModifyPIUMNI {

public static String ReadId() {

Scanner sc = new Scanner(System.in);

System.out.print("\nid:");

String id = sc.nextLine();

return id;

}

public static void CreateXML(Document doc) throws TransformerException {

TransformerFactory transformerFactory = TransformerFactory.newInstance();

Transformer transformer = transformerFactory.newTransformer();

DOMSource source = new DOMSource(doc);

StreamResult result = new StreamResult(new File("XMLPIUMNI.updated.xml"));

transformer.transform(source, result);

}

public static void UpdateCar(Document doc) throws TransformerException {

System.out.println("\nMelyik jarmuvet szeretn mdostani?\n");

DomReadPIUMNI.ReadCar(doc);

String id = ReadId();

Scanner sc = new Scanner(System.in);

System.out.print("Jármű fogyasztasa: ");

String fogyasztas = sc.nextLine();

System.out.print("Jármű tipusa: ");

String type = sc.nextLine();

System.out.print("Jármű szine: ");

String color = sc.nextLine();

System.out.print("Jarmu futott km: ");

String futottkm = sc.nextLine();

System.out.print("Gyartasi eve : ");

String year = sc.nextLine();

UpdateCarById(doc, id, fogyasztas, type, color, futottkm, year);

}

public static void UpdateCarById(Document doc, String id, String fogyasztas, String type, String color, String futottkm, String gyartasiev) throws TransformerException {

NodeList nList = doc.getElementsByTagName("jarmu");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String rsz = element.getAttribute("rsz");

if (rsz.equals(id)) {

String tulajid = element.getAttribute("tulajid");

String gyartoid = element.getAttribute("gyartoid");

Node node1 = element.getElementsByTagName("fogyasztas").item(0);

node1.setTextContent(fogyasztas);

Node node2 = element.getElementsByTagName("tipus").item(0);

node2.setTextContent(type);

Node node3 = element.getElementsByTagName("szine").item(0);

node3.setTextContent(color);

Node node4 = element.getElementsByTagName("futottkm").item(0);

node4.setTextContent(futottkm);

Node node5 = element.getElementsByTagName("gyartasiev").item(0);

node5.setTextContent(gyartasiev);

System.out.println(" Rendszam :" + rsz + "\tTulajID id:" + tulajid + "\tGyarto id:"

+ gyartoid + "\tFogyasztas: " + node1.getTextContent() + "\tTipus: " + node2.getTextContent()

+ "\tSzine: " + node3.getTextContent() + "\tfutottkm:" + node4.getTextContent() + "\tgyartasi ev: " + node5.getTextContent());

System.out.println("A modosítás sikeresen megtörtént \n");

}

}

}

CreateXML(doc);

}

public static void UpdateGyar(Document doc) throws TransformerException {

System.out.println("\nMelyik gyartót szeretné módosítani?\n");

DomReadPIUMNI.ReadGyar(doc);

String id = ReadId();

Scanner sc = new Scanner(System.in);

System.out.print("Nev: ");

String name = sc.nextLine();

System.out.print("Ev: ");

String year = sc.nextLine();

System.out.print("Telephely: ");

String telephely = sc.nextLine();

UpdategyarById(doc, id, name, year, telephely);

}

public static void UpdategyarById(Document doc, String id, String name, String year, String telephely) throws TransformerException {

NodeList nList = doc.getElementsByTagName("gyarto");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String gyartoid = element.getAttribute("id");

if (gyartoid.equals(id)) {

Node node1 = element.getElementsByTagName("nev").item(0);

node1.setTextContent(name);

Node node2 = element.getElementsByTagName("ev").item(0);

node2.setTextContent(year);

Node node3 = element.getElementsByTagName("telephely").item(0);

node3.setTextContent(telephely);

System.out.println("Szponzor id:" + gyartoid + "\tNev: " + node1.getTextContent() + "\tev: " + node2.getTextContent()

+ "\ttelephely: " + node3.getTextContent());

System.out.println("\nModositas sikeresen megtortent\n");

}

}

}

CreateXML(doc);

}

public static void UpdateTulajdonos(Document doc) throws TransformerException {

System.out.println("\nMelyik tulajdonost szeretne modositani ?\n");

DomReadPIUMNI.Readtulajdonos(doc);

String id = ReadId();

Scanner sc = new Scanner(System.in);

System.out.print("Age : ");

String age = sc.nextLine();

System.out.print("jarmuvek szama : ");

String vehiclenumber = sc.nextLine();

System.out.print("Telefonszam : ");

String phonenumber = sc.nextLine();

System.out.print("Firstname: ");

String firstname = sc.nextLine();

System.out.print("Lastname: ");

String lastname = sc.nextLine();

UpdateTulajdonosById(doc, id, age, vehiclenumber, phonenumber, firstname, lastname);

}

public static void UpdateTulajdonosById(Document doc, String id, String age, String vehiclenumber, String phonenumber, String firstname, String lastname) throws TransformerException {

NodeList nList = doc.getElementsByTagName("tulajdonos");

for (int i = 0; i < nList.getLength(); i++) {

Node nNode = nList.item(i);

NodeList cList = nList.item(i).getChildNodes();

if (nNode.getNodeType() == Node.ELEMENT\_NODE) {

Element element = (Element) nNode;

String tulajid = element.getAttribute("id");

if (tulajid.equals(id)) {

Node node1 = element.getElementsByTagName("eletkora").item(0);

node1.setTextContent(age);

Node node2 = element.getElementsByTagName("jarmuvekszama").item(0);

node2.setTextContent(vehiclenumber);

Node node3 = element.getElementsByTagName("telefonszama").item(0);

node3.setTextContent(phonenumber);

for (int j = 0; j < cList.getLength(); j++) {

Node cnode1 = element.getElementsByTagName("vezeteknev").item(0);

cnode1.setTextContent(firstname);

Node cnode2 = element.getElementsByTagName("keresztnev").item(0);

cnode2.setTextContent(lastname);

}

System.out.println("Tulajdonos id:" + id + "\tEletkor: " + node1.getTextContent() + "\tJarmuvek szama: " + node2.getTextContent()

+ "\ttelefonszam: " + node3.getTextContent() + "\t firstname: " + firstname + " lastname = " + lastname);

System.out.println("\nModositas sikeresen megtortent \n");

}

}

}

CreateXML(doc);

}

}