

JEGYZŐKÖNYV

Adatkezelés XML környezetben

Féléves feladat

Készítette: **Barta Valentin**

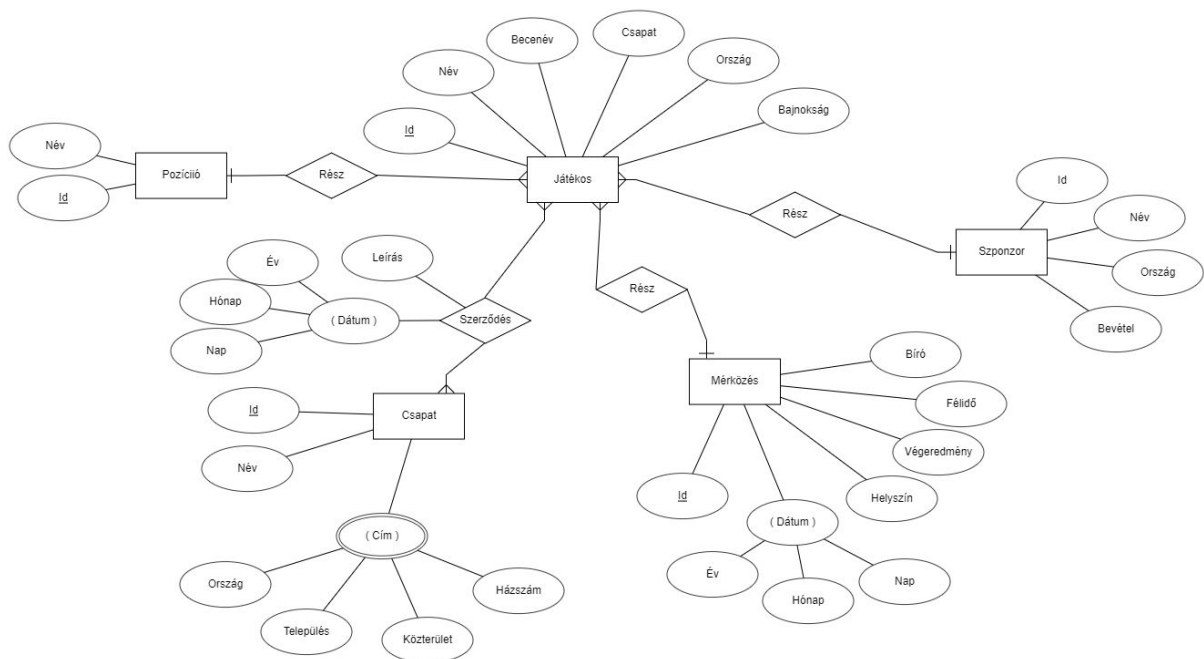
Neptunkód: **CLPE25**

A feladat leírása:

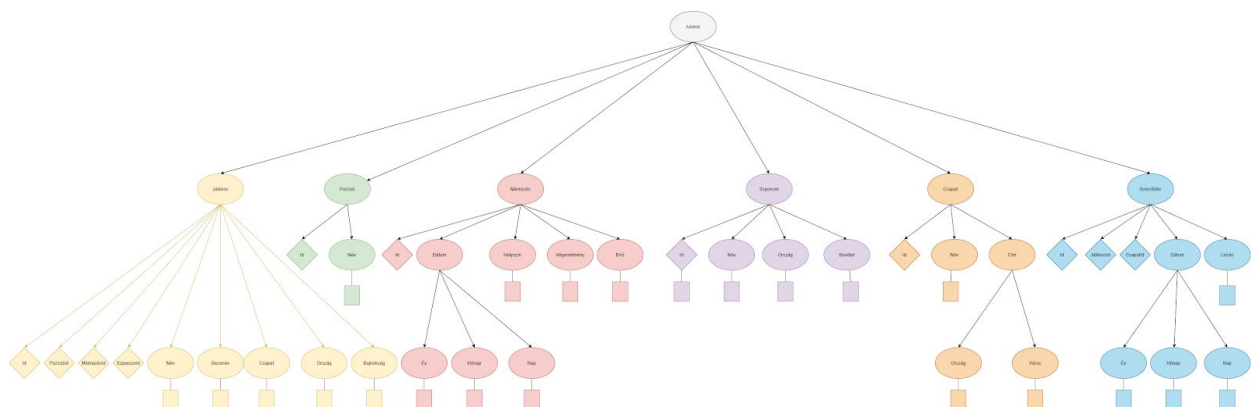
Adatkezelés XML környezet féléves feladat során egy igazi „Futball” E-R adatbázist hotam létre. A beadandó tematikája a futball játékosok és a hozzájuk tartozó adatok szervezet listáját írja le. A létrehozni kívánt xml dokumentumban a játékosok adatain kívül nyilván lesznek tartva a játékosokkal együtt dolgozó szponzorok, csapatok valamint a football játékosok pozíciója továbbá a játékosok csapatai is egyaránt.

1 feladat

1a) Az adatbázis ER modell:



1b) Az adatbázis konvertálása XDM modellre



1c) Az XDM modell alapján XML dokumentum készítése: (Ide kerül az XML kódja!)

```
<?xml version="1.0" encoding="UTF-8"?>
<data xmlns="data" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="XMLSchemaCLPE25.xsd">
  <player id="player1" sponsorid="sponsor1" matchid="match1" positionid="position1">
    <name>Cristiano Ronaldo</name>
    <nickname>C. Ronaldo</nickname>
    <team>Juventus</team>
    <country>Italy</country>
    <league>Seria A</league>
  </player>
  <player id="player2" sponsorid="sponsor1" matchid="match1" positionid="position1">
    <name>Lionel Messi</name>
    <nickname>Mesi</nickname>
    <team>Barcelona</team>
    <country>Spain</country>
    <league>La Liga</league>
  </player>
  <player id="player3" sponsorid="sponsor2" matchid="match2" positionid="position2">
    <name>Sami Khedira</name>
    <nickname>Khedira</nickname>
    <team>Juventus</team>
    <country>Italy</country>
    <league>Seria A</league>
  </player>
  <player id="player4" sponsorid="sponsor2" matchid="match2" positionid="position2">
    <name>Jordi Alba</name>
    <nickname>Jordi Alba</nickname>
    <team>Barcelona</team>
    <country>Spain</country>
    <league>La Liga</league>
  </player>
  <player id="player5" sponsorid="sponsor2" matchid="match1" positionid="position1">
    <name>Karim Benzema</name>
    <nickname>Benzema</nickname>
    <team>Real Madrid</team>
    <country>Spain</country>
    <league>La Liga</league>
  </player>
  <sponsor id="sponsor1">
    <name>Nike</name>
    <country>Germany</country>
    <income>180000000</income>
  </sponsor>
  <sponsor id="sponsor2">
    <name>Adidas</name>
    <country>Germany</country>
    <income>21500000</income>
  </sponsor>
  <sponsor id="sponsor3">
```

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        <name>Puma</name>
        <country>Germany</country>
        <income>301570</income>
    </sponsor>
    <sponsor id="sponsor4">
        <name>Under Armor</name>
        <country>US</country>
        <income>1010000</income>
    </sponsor>
    <match id="match1">
<location>Torino</location>
<fulltime>1-1</fulltime>
<halftime>1-2</halftime>
<referee>Chakir</referee>
<date>
        <year>2020</year>
        <month>5</month>
        <day>4</day>
    </date>
</match>
    <match id="match2">
<location>Barcelona</location>
<fulltime>0-0</fulltime>
<halftime>3-1</halftime>
<referee>Kassai Viktor</referee>
<date>
        <year>2017</year>
        <month>7</month>
        <day>9</day>
    </date>
</match>
    <match id="match3">
<location>Madrid</location>
<fulltime>1-1</fulltime>
<halftime>2-2</halftime>
<referee>Marc Edwards</referee>
<date>
        <year>2011</year>
        <month>12</month>
        <day>9</day>
    </date>
</match>
    <position id="position1">
        <name>Striker</name>
    </position>
    <position id="position2">
        <name>Winger</name>
    </position>
    <position id="position3">
        <name>Midfielder</name>
    </position>
    <team id="team1">
        <name>Real Madrid</name>
        <address>
            <country>Spain</country>

```



```

        <xs:element name="country" />
        <xs:element name="league" />
    </xs:sequence>
    <xs:attribute name="id" type="xs:string" use="required" />
    <xs:attribute name="sponsorid" type="xs:string" use="required" />
    <xs:attribute name="matchid" type="xs:string" use="required" />
    <xs:attribute name="positionid" type="xs:string" use="required" />
</xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="sponsor">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="name" />
            <xs:element name="country" />
            <xs:element name="income" />
        </xs:sequence>
        <xs:attribute name="id" type="xs:string" use="required" />
    </xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="match">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="location" />
            <xs:element name="fulltime" />
            <xs:element name="halftime" />
            <xs:element name="referee" />
            <xs:element name="date">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="year" />
                        <xs:element name="month" />
                        <xs:element name="day" />
                    </xs:sequence>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
        <xs:attribute name="id" type="xs:string" use="required" />
    </xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="position">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="name" />
        </xs:sequence>
        <xs:attribute name="id" type="xs:string" use="required" />
    </xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="team">
    <xs:complexType>
        <xs:sequence>

```

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    <xs:element name="name" />
    <xs:element name="address">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="country" type="xs:string" />
          <xs:element name="city" type="xs:string" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="id" type="xs:string" use="required" />
</xs:complexType>
</xs:element>
<xs:element maxOccurs="unbounded" name="contract">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="date">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="year" />
            <xs:element name="month" />
            <xs:element name="day" />
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="description" />
    </xs:sequence>
    <xs:attribute name="id" type="xs:string" use="required" />
    <xs:attribute name="playerid" type="xs:string" use="required" />
    <xs:attribute name="teamid" type="xs:string" use="required" />
  </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```