

## Zad. 1

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE BusinessCard [
  <!ELEMENT BusinessCard (FirstName, LastName, Phone, Email, Address)>
  <!ELEMENT FirstName (#PCDATA)>
  <!ELEMENT LastName (#PCDATA)>
  <!ELEMENT Phone (#PCDATA)>
  <!ELEMENT Email (#PCDATA)>
  <!ELEMENT Address (Street, City, PostalCode)>
  <!ELEMENT Street (#PCDATA)>
  <!ELEMENT City (#PCDATA)>
  <!ELEMENT PostalCode (#PCDATA)>
]>
<BusinessCard>
  <FirstName>Jan</FirstName>
  <LastName>Kowalski</LastName>
  <Phone>+48 123 456 789</Phone>
  <Email>jan.kowalski@example.com</Email>
  <Address>
    <Street>ul. Kwiatowa 15</Street>
    <City>Kraków</City>
    <PostalCode>30-001</PostalCode>
  </Address>
</BusinessCard>
```

## Zad.2

### XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE BusinessCard SYSTEM "plik_dtd.dtd">
<BusinessCard>
  <FirstName>Jan</FirstName>
  <LastName>Kowalski</LastName>
  <Phone>+48 123 456 789</Phone>
  <Email>jan.kowalski@example.com</Email>
  <Address>
    <Street>ul. Kwiatowa 15</Street>
    <City>Kraków</City>
    <PostalCode>30-001</PostalCode>
  </Address>
</BusinessCard>
```

## DTD

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT BusinessCard (FirstName, LastName, Phone, Email, Address)>
<!ELEMENT FirstName (#PCDATA)>
<!ELEMENT LastName (#PCDATA)>
<!ELEMENT Phone (#PCDATA)>
<!ELEMENT Email (#PCDATA)>
<!ELEMENT Address (Street, City, PostalCode)>
<!ELEMENT Street (#PCDATA)>
<!ELEMENT City (#PCDATA)>
<!ELEMENT PostalCode (#PCDATA)>
```

## Zad.3

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT spis_powszechny (date, address, person+)>
<!ATTLIST spis_powszechny
    rachmistrz CDATA #REQUIRED>

<!ELEMENT date (year, month, day)>
<!ELEMENT year (#PCDATA)>
<!ELEMENT month (#PCDATA)>
<!ELEMENT day (#PCDATA)>

<!ELEMENT address (street, city, county, country, postalcode)>
<!ELEMENT street (#PCDATA | unit)*>
<!ELEMENT unit (#PCDATA)>
<!ELEMENT city (#PCDATA)>
<!ELEMENT county (#PCDATA)>
<!ELEMENT country (#PCDATA)>
<!ELEMENT postalcode (#PCDATA)>

<!ELEMENT person (name, age, gender)>
<!ATTLIST person
    employed (fulltime | parttime | none) #IMPLIED
    id CDATA #REQUIRED>

<!ELEMENT name (first, last, junior?)>
<!ELEMENT first (#PCDATA)>
<!ELEMENT last (#PCDATA)>
<!ELEMENT junior EMPTY>

<!ELEMENT age (#PCDATA)>
<!ELEMENT gender (#PCDATA)>
```