

Корекции към задачите на Модул 2.

ЗАДАЧА 5

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE channel SYSTEM "channel.dtd">
<channel version="1.0">
  <item>
    <link>https://rss.com/index.html</link>
    <title>RSS</title>
  </item>
  <item>
    <description>RSS specification 2</description>
    <title>RSS2</title>
    <link>https://rss.com/index.html</link>
  </item>
  <item>
    <link>https://rss.com/index.html</link>
    <title>RSS3</title>
    <description>RSS specification 3</description>
  </item>
  <title>Title of the channel</title>
  <link>https://rss.com</link>
  <image>
    <url>https://rss.com/images/rss.png</url>
    <title>RSS Schema</title>
    <link>Go to our page</link>
  </image>
  <image>
    <url>https://rss.com/images/rss.gif</url>
    <title>RSS Schema</title>
    <link>Go to our page</link>
  </image>
  <language>EN</language>
  <description>Description of the channel</description>
</channel>
```

DTD

```
<?xml version="1.0" encoding="UTF-8"?>
  <!ELEMENT channel (item+, title, link, image*, language?,
description)>
  <!ATTLIST channel version CDATA #REQUIRED>
  <!ELEMENT item ((title, link, description?) | (description?, title,
link) | (description?, link, title) | (title, description?, link) | (link,
title, description?) | (link, description?, title) )>
  <!ELEMENT title (#PCDATA)>
  <!ELEMENT link (#PCDATA)>
  <!ELEMENT description (#PCDATA)>
  <!ELEMENT language (#PCDATA)>
  <!ELEMENT image ((title,link,url) | (link,title,url) |
(link,url,title) | (url,link,title) | (url,title,link) | (title,url,link))>
  <!ELEMENT url (#PCDATA)>
```

ЗАДАЧА 7

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE channel SYSTEM "channelTask7.dtd">
<channel version="1.0">
  <item>
    <title>RSS</title>
    <link>https://rss.com/index.html</link>
  </item>
  <item>
    <title>RSS2</title>
    <description>RSS specification 2</description>
    <link>https://rss.com/index.html</link>
  </item>
  <item>
    <title>RSS3</title>
    <link>https://rss.com/index.html</link>
    <description>RSS specification 3</description>
  </item>
  <title>Title of the channel</title>
  <link>https://rss.com</link>

  <image src="xmlJPGAddress">
    <url>https://rss.com/images/rss.png</url>
    <title>RSS Schema</title>
    <link>&goto;</link>
  </image>
  <image src="xmlPNGAddress">
    <url>https://rss.com/images/rss.gif</url>
    <title>RSS Schema</title>
    <link>&goto;</link>
  </image>
  <language>EN</language>
  <description>Description of the channel</description>
</channel>
```

DTD

```
<?xml version="1.0" encoding="UTF-8"?>
  <!ENTITY % titleElementName "title" >
  <!ENTITY % channelElements "(item+, %titleElementName;, link, image*,
language?, description)" >
  <!ELEMENT channel (%channelElements;)>
  <!ATTLIST channel version CDATA #REQUIRED>
  <!ELEMENT item ((%titleElementName;, link, description?) |
(description?, %titleElementName;, link) | (description?, link,
%titleElementName;) | (%titleElementName;, description?, link) | (link,
%titleElementName;, description?) | (link, description?, %titleElementName;))
)>
    <!ELEMENT %titleElementName; (#PCDATA)>
    <!ELEMENT link (#PCDATA)>
    <!ELEMENT description (#PCDATA)>
    <!ELEMENT language (#PCDATA)>
    <!ELEMENT image ((title,link,url) | (link,title,url) |
```

```

(link,url,title) | (url,link,title) | (url,title,link) | (title,url,link))>
  <!ELEMENT url (#PCDATA)>
  <!ATTLIST image src ENTITY #REQUIRED>
  <!NOTATION JPG SYSTEM "image/jpeg">
  <!NOTATION GIF PUBLIC "GIF 1.0">
  <!NOTATION PNG PUBLIC "PNG 1.0" "image/png">
  <!ENTITY xmlJPGAddress PUBLIC
"https://www.w3.org/2008/site/images/wechat_open_in_browser.jpg" NDATA JPG>
  <!ENTITY xmlPNGAddress PUBLIC
"https://www.w3.org/2008/site/images/logo-w3c-screen-lg-purple.png" NDATA
PNG>
  <!ENTITY W3GIFAddress PUBLIC
"https://www.w3.org/2008/site/images/logo-w3c-screen-lg.gif" NDATA GIF>
  <!ENTITY goto "Go to our page">

```

ЗАДАЧА 9

XML

```

<?xml version="1.0" encoding="UTF-8"?>
  <!DOCTYPE channel SYSTEM "channelTask7.dtd">
<channel version="1.0">
  <item>
    <link>https://rss.com/index.html</link>
    <title>RSS</title>
  </item>
  <item>
    <title>RSS2</title>
    <description>RSS specification 2</description>
    <link>https://rss.com/index.html</link>
  </item>
  <item>
    <title>RSS3</title>
    <link>https://rss.com/index.html</link>
    <description>RSS specification 3</description>
  </item>
  <title>Title of the channel</title>
  <link>https://rss.com</link>
  <!--It is valid for the variant variantAllElements
  <language>EN</language>
  <image src="xmlJPGAddress">
    <url>https://rss.com/images/rss.png</url>
    <title>RSS Schema</title>
    <link>&goto;</link>
  </image>
  <image src="xmlPNGAddress">
    <url>https://rss.com/images/rss.gif</url>
    <title>RSS Schema</title>
    <link>&goto;</link>
  </image>
  -->
  <description>Description of the channel</description>
</channel>

```

DTD

```
<?xml version="1.0" encoding="UTF-8"?>
  <!ENTITY % titleElementName "title" >
  <!ENTITY % channelElements "(item+, %titleElementName;, link, image*,
language?, description)" >
  <!ENTITY % variantAllMandatory "INCLUDE">
  <!ENTITY % variantAllElements "IGNORE">
  <![%variantAllElements; [<!ELEMENT channel %channelAllElements;>]]>
  <![%variantAllMandatory; [<!ELEMENT channel
%channelMandatoryElements;>]]>
  <!ELEMENT channel (%channelElements;)>
  <!ATTLIST channel version CDATA #REQUIRED>
  <!ELEMENT item ((%titleElementName;, link, description?) |
(description?, %titleElementName;, link) | (description?, link,
%titleElementName;) | (%titleElementName;, description?, link) | (link,
%titleElementName;, description?) | (link, description?, %titleElementName;)
)>
    <!ELEMENT %titleElementName; (#PCDATA)>
    <!ELEMENT link (#PCDATA)>
    <!ELEMENT description (#PCDATA)>
    <!ELEMENT language (#PCDATA)>
    <!ELEMENT image ((title,link,url) | (link,title,url) |
(link,url,title) | (url,link,title) | (url,title,link) | (title,url,link))>
    <!ELEMENT url (#PCDATA)>
    <!ATTLIST image src ENTITY #REQUIRED>
    <!NOTATION JPG SYSTEM "image/jpeg">
    <!NOTATION GIF PUBLIC "GIF 1.0">
    <!NOTATION PNG PUBLIC "PNG 1.0" "image/png">
    <!ENTITY xmlJPGAddress PUBLIC
"https://www.w3.org/2008/site/images/wechat_open_in_browser.jpg" NDATA JPG>
    <!ENTITY xmlPNGAddress PUBLIC
"https://www.w3.org/2008/site/images/logo-w3c-screen-lg-purple.png" NDATA
PNG>
    <!ENTITY W3GIFAddress PUBLIC
"https://www.w3.org/2008/site/images/logo-w3c-screen-lg.gif" NDATA GIF>
    <!ENTITY goto "Go to our page">
```