Welcome to imPULSE

Lab 1 - HTML

Lab 2 - CSS simple

Lab 3 - CSS layouts

✖ Lab 4 - XML, XSLT, Bootstrap

Lab 5 - Javascript

Lab 6 - Jquery

Lab 7 - Php, Ajax, JSON

Lab 8 - Angular, Php

Lab 9 - JSP, Java Servlets

Lab 10 - ASP.NET

DEADLINE:

Documentation

Problems

All Problems from this lab - if you want to practice

List by using XSLT the content of any XML so that the text should appear as text, references to images should appear as images and references to web pages should appear as links. Each distinct XML element (especially the text ones) have to have a different CSS formatting using Bootstrap.

List by using XSLT all recipes described in an XML document. This list has to contain the recipes in a descending order by the preparation time. Recipes having the same preparation time have to be listed in descending order by the cooking time. A recipe has to contain elements for the preparation time, cooking time, ingredients and the preparation steps. You should use at least 6 Bootstrap classes for displaying the xml elements (recipes).

List by using XSLT all the movies playing this week in cinema. The movies are described in an XML document and have at least the followind attributes: title, actors, genre, date of playing, duration etc. Each movie genre should be formatted using a different Bootstrap CSS class.

List by using XSLT all books grouped by categories (computer science, mathematics, etc.). Within each category, books should be ordered alphabetically. The books are described in an XML document and have at least the followind attributes: title, author, category, year, isbn, etc. Each book category should be formatted using a different Bootstrap CSS class.

List by using XSLT all recipes described in an XML document so that they respect the following appearance:
- each recipe has to have an image sub-element which should be listed (as float) in the left side of a recipe presentation;
- the ingredients and the preparation steps have to be presented in the right side of a recipe presentation.
The ingredients and the preparation steps are described within different sub-elements and presented in an different format. The XSLT file should also use at least 6 Bootstrap CSS classes for displaying receips.

List by using XSLT the content of an XML document so that:
- each sub-element within the same element has to have a different formatting;
- the first XML element has a different formatting from the other elements.
The XSLT file should also use at least 6 Bootstrap CSS classes for formatting XML elements.

List by using XSLT all bibliography entries (articles, books, reports, presentations, web link, software package) described in an XML document. Each bibliography entry has to have all required sub-elements (author names,title, editor, number of pages, publication year, and so on). The list has to be ordered alphabetically by authors. You should also use at least 6 Bootstrap CSS classes for displaying the bibliography entries.

List by using XSLT all bibliography entries (articles, books reports, presentations, web link, software package) from an XML document which have a given author. The list has to be ordered alphabetically by title. You should also use at least 6 Bootstrap CSS classes for displaying the bibliography entries.

List by using XSLT all bibliography entries (articles, books reports, presentations, web link, software package) from an XML document which correspond to a searching key. This key can be interpreted as an author name, a part from title, publishing year, or editor. The list has to be ordered alphabetically by authors. You should also use at least 6 Bootstrap CSS classes for displaying the bibliography entries.

List by using XSLT all bibliography entries (articles, books reports, presentations, web link, software package) from an XML document which were published within a time period (e.g. 2001-2007). The list has to be ordered by the publishing year. You should also use at least 6 Bootstrap CSS classes for displaying the bibliography entries.

List by using XSLT all the CD albums described in an XML document in a table format with (title, interpret name). All entries having a common property (e.g. albums which appeared in 1999) should be marked (have a different format). You should also use at least 6 Bootstrap CSS classes for formatting the entries.

List by using one or more XSL transformations all bibliography entries (articles, books, reports, presentations, web link, software package) from an XML document in 3 different ways:

- ordered by authors;
- ordered by title;
- ordered by publishing year.
Bibliography entries which were published in the same year are to be ordered alphabetically by authors. You should also use at least 6 Bootstrap CSS classes for displaying the bibliography entries.