

Coursework Project Specification

XMLParser/Graph

Contents

1.0 - Description

1.1 About Me

1.2 About Application

2.0 - Functionality

2.1 Application functionality

2.2 Specific functionality

3.0 - Framework and Others

3.0 Why use frameworks/plugins

3.1 About used framework in Application

99x.0 - Project Phases

1.0 Description

In this scope We will speak about me and about application.

About me, why I decide make a XMLParser/Graph.

About application, features and behavior..

1.1 About Me

As a student FMFI Me decision was not only about create easy project and pass this course. In the first of all I want to learn about modern technologies and do something unique. Learn to work with XML Document what is the necessity of each Programmer.

1.2 About Application

XMLParser/Graph is the web application which anybody allow make a graph from their XML document in simple 3 steps. Application with modern and user interface design.

2.0 Functionality

This paragraph is about what can you do with Application.

2.1 Application functionality

If you are registred user you can log in or. If not, you can create account.

You can uppload XML document and choose any node to be your X or Y axis.

For Example:

X = node which describes your procuct, Y = nod which describes the prices.

Allows you to register and seve your graphs.

2.2 Specific functionality

As a registered user you can save your graph.

You can see graphs of other users and compare with yours.

3.0 Frameworks & Others

In this section is described which frameworks, plugins ect. is used, why it is used and the pro and con.

3.0 Why use frameworks/plugins

The frameworks and plugins can save time of programmer to a large extent.

If you choose it right.

3.1 About used framework in Application

The metroui (<http://metroui.org.ua/>) is nice and very simply framework.

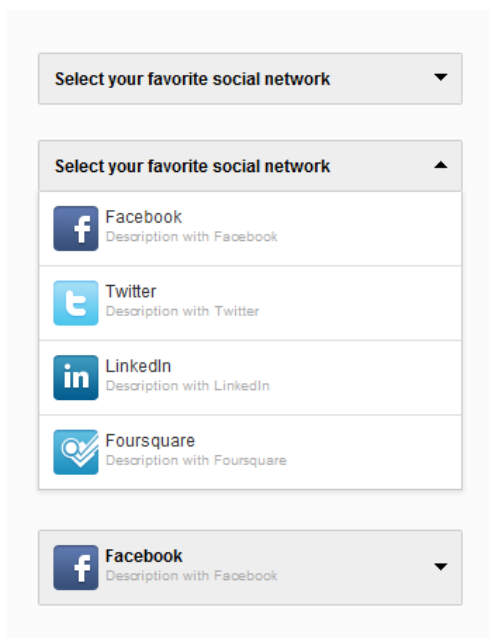
in a few steps you can build nice CSS and JS.

just print right name to a class and that's it.

5 steps to use metroui.

1. Create page with **HTML5 DOCTYPE**
2. Include **metro-bootstrap.css**
3. Include **metro.min.js** (jquery.js required)
4. Create main container with class **.metro**
5. Use markup, as described in the pages of this site

```
1. <!DOCTYPE html>
2. <html>
3.   <head>
4.     <link rel="stylesheet" href="css/metro-bootstrap.css">
5.     <script src="js/jquery/jquery.min.js"></script>
6.     <script src="js/jquery/jquery.widget.min.js"></script>
7.     <script src="js/metro/metro.min.js"></script>
8.   </head>
9.   <body class="metro">
10.    ... markup page ...
11.  </body>
12. </html>
```



The plugin for dropdown menu:

<http://designwithpc.com/Plugins/ddSlick>

Simple and easy. Dropdown menus with the main comment and secondary text.

If you want, you can add a icon there.

The plugin <http://www.jquery-steps.com/> for wizard.

As i written, create graph in 3 easy steps.

Nice and easy as others plugins in applications.

1. Add HTML code into the representing wizard element.

```
1. <div id="wizard">
2.   <h1>First Step</h1>
3.   <div>First Content</div>
4.
5.   <h1>Second Step</h1>
6.   <div>Second Content</div>
7. </div>
```

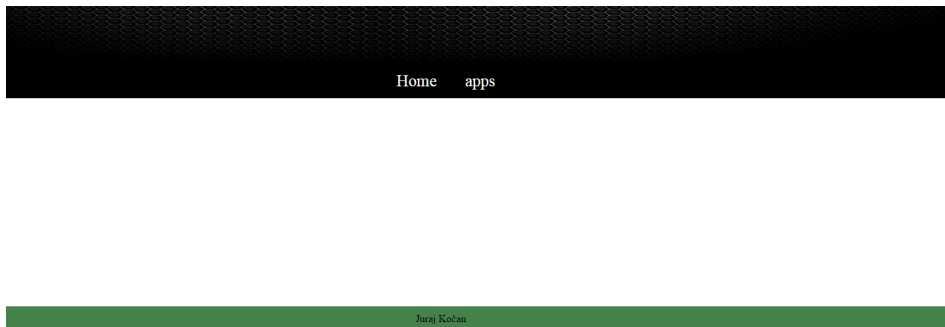
2. Or use the API to add steps dynamically.

```
1. // Initialize wizard
2. var wizard = $("#wizard").steps();
3.
4. // Add step
5. wizard.steps("add", {
6.   title: "HTML code",
7.   content: "<strong>HTML code</strong>"});
```

99x.0 - Project Phases

1. Create a masterPage.

there is a footer, navigation bar. css and js from metroui
something like this:



2. Create a single pages.

1. /Home
2. /XMLParser
 1. **Home:** No code Behind.
Only create css and js / Front-end.
 2. **XMLParser:** create a wizard on the page, create a dropdown menu for nodes from XML document, input menu for upload xml.
Wizard have only one step with two dropdowns.
Code behind in next pahase.
 3. **Login:** create only inputs for mail and password,
register page if it will be time. Code behind in next phase
 4. **Graphes:** there is nothing until pass the wizard. See next phases of the project

3. Code Behind.

1. XMLParser:

Parse uploaded xml document. .Net library for work with Xml document can be XmlDocument or XDocument. Create a right choose in dropdown menu. only last nodes from xml.

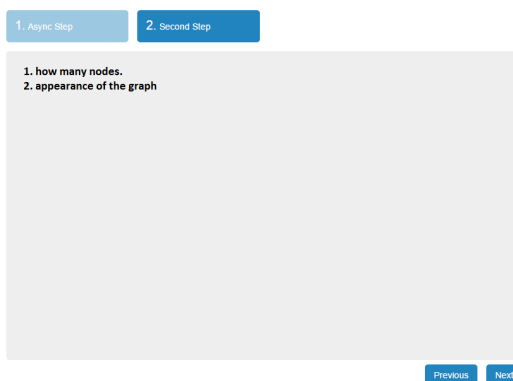
This is what i would like to do in this semester. I wish I will make it all.

2. Login(register):

Create Login and register Code. It will be connected to the MySql database. I do not know how it is work so it is probably only one future in next semester(hope not).

3. Graph:

In next step in wizard user can choose how many nodes it will be on



graph(default all).

user can choose appearance of the graph too. After successfully wizard pass

Application read all users entered data and creat a graph.

Here can pass only guest of the Application.

Login user can aslo save the graph.

4. Saved graphs.

As a login user can see their or other users saved graphs. All of this on the page /Graphes.

5. User can choose 2 graphs and compare its.

Application create a average values of each axis. and make one common graph
For exaple. You have xml of two distributors of books and you have graph with
name books and prices. Application create a average price of the books. Not
names. Compare only if it is possible.