

Web Design

Laborator exercise no.1

The goal of this exercise is getting familiar with the environment in which the other exercises will be performed on this course. The development environment that we are going to use is Aptana Studio 3.

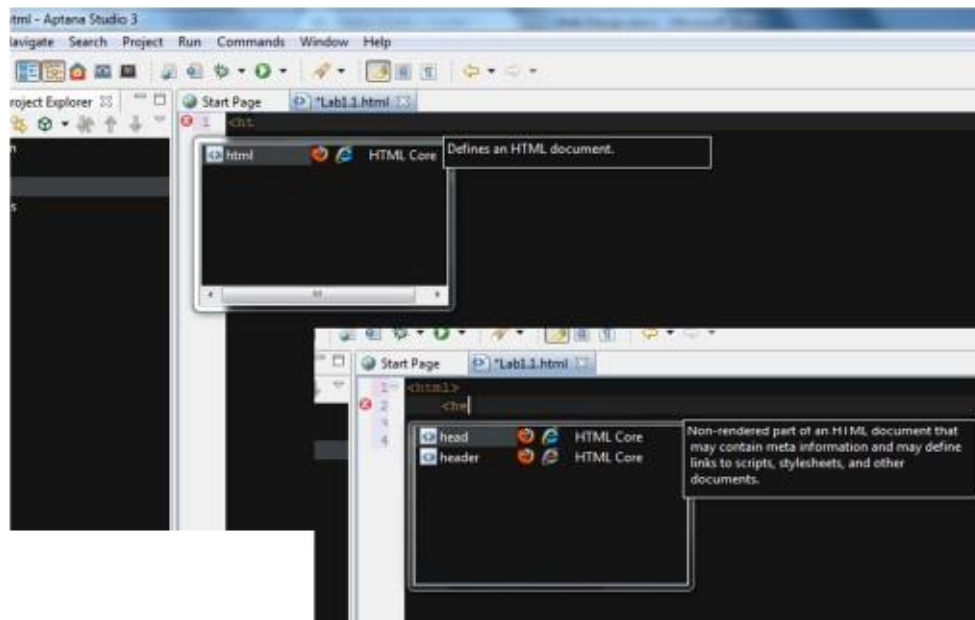
Introduction to the environment

Upon opening it can be noted that it is divided into several major functional areas.

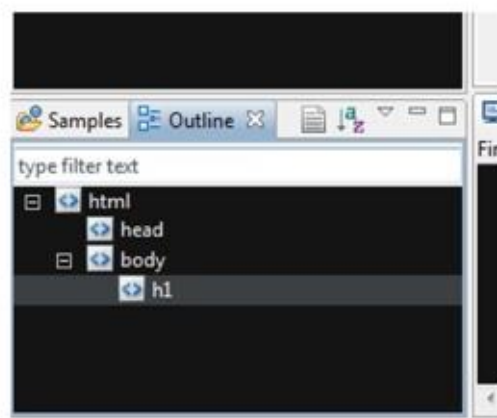


The following is a description of each of the functional areas:

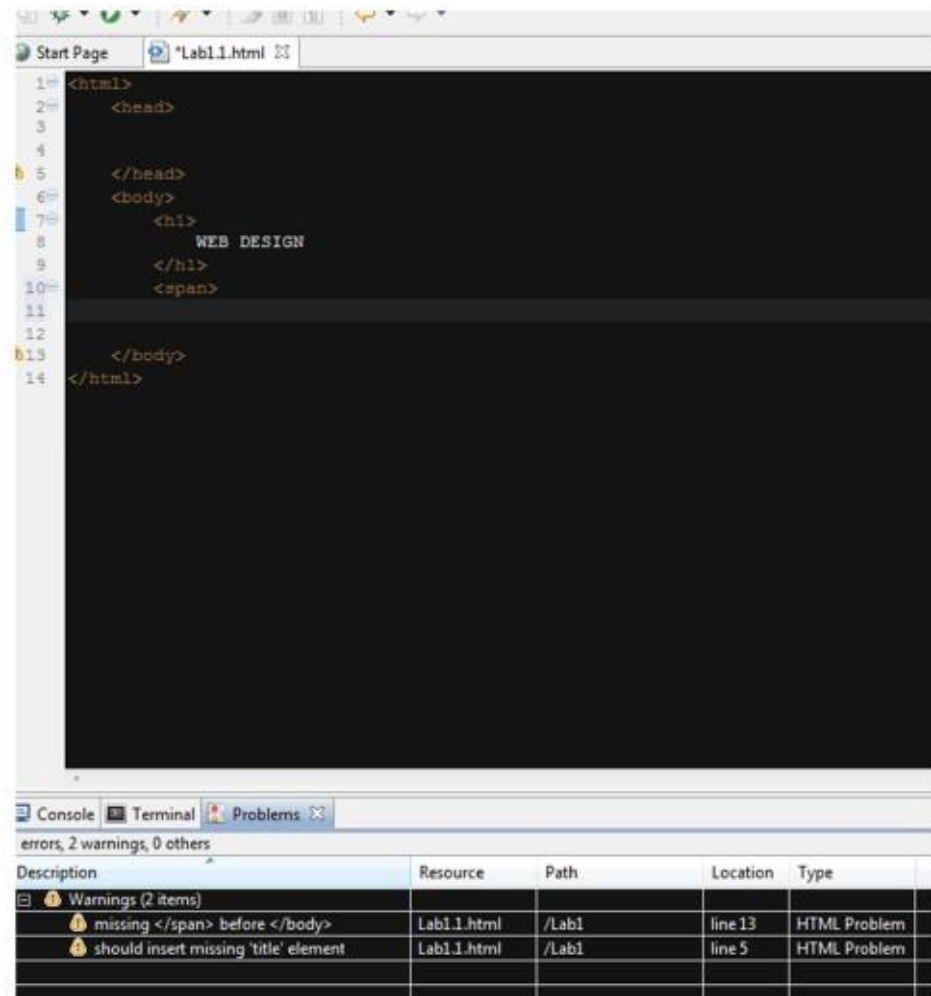
1. This part of the software contains the main menu and menu with icons for quick access to some of the operations offered by Aptana studio. In this section we can find options for creating new projects and documents, determine which of the remaining parts will be visible to the user, options for executing the created pages and repairing their errors, search feature and other commands that offer manipulation with the working environment and its settings.
2. This section allows the user to write and edit the code in the documents that are in the project. It is important note is that Aptana Studio contains very good auto complete system that really helps the user. The auto complete option appears when writing particular part of the code or by pressing the key combination Ctrl + Space.



3. In this section the user can see all the projects that he/she is working on and can have a glimpse of all the documents that are in a given project. Also, it is very useful that it offers the user a good overview of all elements in a certain HTML document and their structure.



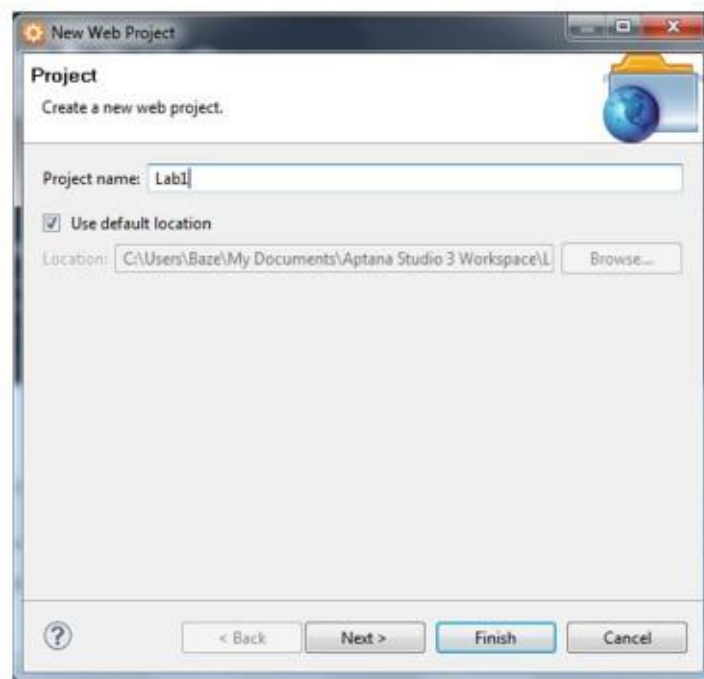
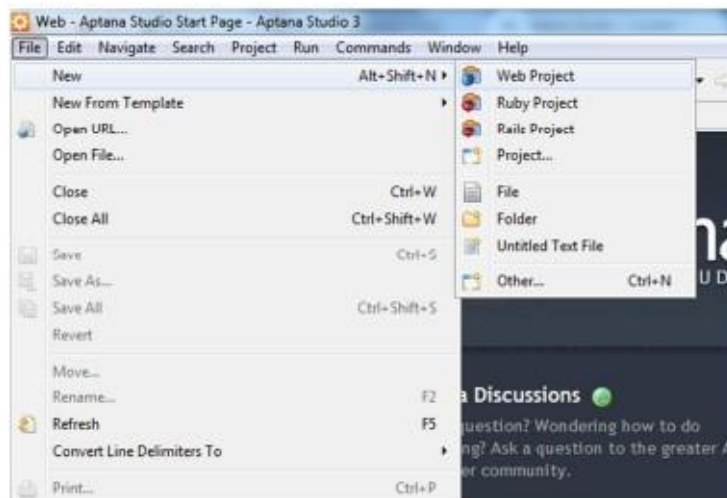
4. In this section the user has the ability to see problems and errors that occurred while creating the document as well as the notifications from the execution of the program. On the following image it may be noted that the application has a warning for bad closed tag and the lack of the <title> tag.



The execution of documents can be done in two ways such as through the bar in which there are located direct links or through the drop down menu Run.

Creating a new project and a new HTML document

A user can create a new project in Aptana Studio in two ways: from the drop down menu or from the shortcuts to the most used options. The procedure that should be done to create a new project by clicking File -> New -> Web Project and specifying the project name in the appropriate textbox.



After creating the project you need to create an HTML document. That is done by selecting File -> New -> File. It should be noted that when specifying the name of the document it is required to specify the Format (in our case it will be .html) and it's parent directory.



Also if you need to create a single document without placing it into a project, then from the main menu you need to choose File -> New From Template and choose one of the already offered ready-made templates of documents.

Task no. 1

Review the functionalities of Aptana Studio. Create a project named Lab1. Create an HTML document with the name Lab1.1 in the already created Lab1 project and add the HTML code given below

```
<html>

    <head>
        <title> First exercise - Web Design</title>
    </head>
    <body>
        <h1>
            Web Design
        </h1>
        <span>This text is consisted of </span><b>bold
    </b><em>italic </em><u> and underlined</u><span>letters.</span>
        <br />
        <br />
        <hr />
    </body>
</html>
```

Execute the document and review the HTML elements that are used for the development of the document.

Task no. 2

Create another HTML document in the same project named Lab1.2. In this document write the code given below and with the help of the Problems console determine and fix the errors that exist in the code.

```
<html>
  <head>

  </head>
  <body>
    <h1>
      Main heading of the page
      <span>This text is used to
    </h1>
    find <b> the errors </em> in <u>the code .</span>
    <br//>
    <br />

  </body>
</html>
```

Task no. 3

Create two HTML pages . The first page needs to have the following elements:

- Title : First page for the third task
 - Keywords : Web design , Finki 2014 , HTML
 - Description of site : This is the first test page
 - Contents : Section that will have the text "About 5 seconds you will be redirected to another page ! "
- Additionally, this page should after 5 seconds of its load automatically transfer the user to the second page . The second page needs to have the following elements:
- Title : Second page for the third task
 - Keywords : final page , HTML, second page
 - Description of site : This is the second test page
 - Content : Heading to the page that states " Welcome to second page. ". Also, under it there should be two paragraphs that will contain different text (by your choice).

PS. Although it is not mentioned, you need to define the encoding of the characters on the page!

The solution (to task 3) should be archived (zip/rar). The archive should be named in the following format FirstName_LastName_Index and should be uploaded on the appropriate link on moodle (courses).