# 420-P55-AS　　　Project　　　30% -100p.

The project is due for **2019-07-25** before **10:00**; it is counting for 30% of final grade and is to create your site web using CSS formatting, XHTML and HTML 5 pages, web forms pages using JavaScript (using objects **Date, RegExp, math, cookie, jQuery, etc.**) (70p/100p) and creating 2 documents – **user manual** and **technical manual** (30p/100p).

Choose one out of 3 different domains (**History**, **Geography**, or **Politics**) that you want to create your project. If you want to create for different domain you have to mention it in class.

The web site will be formatted and using the **index.html** page (use framesets or table and divs) as of your project first page. The page should be divided in 3 sections.

1-The top most for presenting the logo and name of the company (**Top**) and also to be able to connect and visit to your web site (use username: **admin** and password: **123** as global variables).

2-Another section (**Menu**) will be on the left and will be used to present different options (internal links) to be able to visit your web site.

3-The last section (the biggest one - **Content**) will contain the content of your selection from the Menu section web pages.

You will show only the top login section where the user can connect by using Username: **admin**, and Password: **123** (use global variables) and then, the user will access the menu links and can check all the web pages of your web site.

If the username or password is not correct you will show a different web page to create the account (show the user the password and the username). JavaScript (jQuery) will be used into your web site to show or hide different fields or web elements, login name, some calculated values, and/or the current time and date will be shown on some other web pages (use cookies).

The web pages will be created by using XHTML/HTML5 and CSS, and of course, will include JavaScript (internal and/or external).

The **1st** and the **2nd** page will describe the subject you choose: a region, a country, a city or a culture. Use internal links, tables, div, images and text formatting by using CSS (internal, external and/or inline). The description should be divided in multiple sections having images, headings and paragraphs. Use CSS formatting: margin, padding, borders, float, text alignment, colors and background colors, and other CSS proprieties learned during the session. (XHTML)

The **3rd** page will use an image and mapping some different areas using all the possible shapes to present some information (text and images), related to the area where the user has clicked (use internal and/or external links and HTML5).

The **4ᵗʰ** page will present some information of your subject in details by using JS and form fields for the search on a particular key word subject.(HTML5)

Example:
If the user is searching for: canada or CANADA keyword, if this keyword is into your array of keywords, the Content of the page will display the information related to the keyword (text and images), and give the possibility to search for some other subjects or keywords. If the keyword is not find, an error message, and a selection of some keywords to be used will be displayed. Use JavaScript objects and methods (document, array and jQuery) in order to control the information to be presented.

The **5ᵗʰ** page will contain a form and, will have some input fields (at least **10**) to identify yourself, or to have a subscription to a service or a blog, or to enter some comments about your web site. The web page will validate the entries (Regular Expressions), calculate the time the user takes to fill up the form, and present all the entered information and the time on the next web page using JS cookies. (HTML5)

Validate all the forms fields by using Regular Expressions before "**sending**" the information to the server or to others web pages.

The **6ᵗʰ** page will contain all the references to the web sites that you use for the images, text or some others elements that you use or get inspired by. (HTML5)

Add references to the existing web sites from where you are using the information to your web site.

You have to create 2 documents for this project:
- User Manual, where you describe all of yours web pages and the functions of your web site (see template).
- Technical Manual where you will describe the functions (code) of your web site (see template).

Each document counts for 15 points for a total of 30 points out of 100.

Upload the project/documents before the date limit by LEA of Omnivox.

Thank you.