

## Web Programming - Project requirements

### The final project will have:

- at least 4 pages with menu, header, content, footer
- registration page
- login page
- CRUD database operations

### Deadlines:

- lab 2 - weeks 3 and 4 - each student has filled in the form with the topic and defined the HTML structure of the pages
- lab 5 - 6 - weeks 9 and 12 - project presentation

### References:

- <https://www.w3schools.com/default.asp>
- <http://www.w3schools.com/tags/>

## 1. Section HTML

Your HTML page should contain:

- a. All basic HTML5 elements: `<!DOCTYPE>`, `<html>`, `<head>`, `<title>`, `<body>`, `<h1>...`, `<p>`, `<br>`, `<hr>`, `<!--...-->`
- b. Some text formatting elements such as `<b>`, `<code>`, `<s>`, `<u>`
- c. Various `<form>` elements and `<input>` elements
- d. Tables with `colspan` and `rowspan` attributes
- e. Nested tables
- f. Nested lists
- g. Images as hyperlinks
- h. Multiple semantics elements such as `<main>`, `<article>`, `<section>`, `<header>`, `<footer>`, etc.

The HTML code must be validated at <http://validator.w3.org/> with no errors and warnings.

## 2. Section CSS

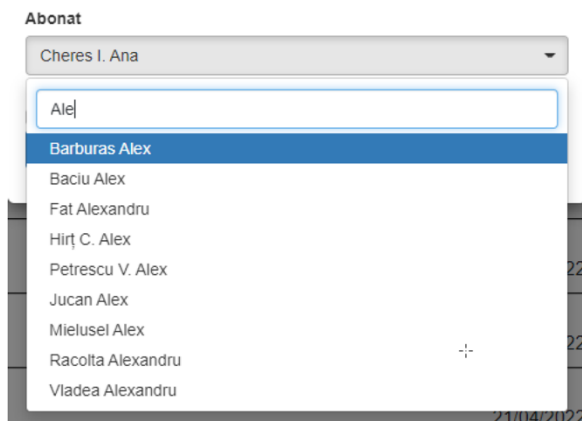
- a. Use one external .css file for the entire project
- b. Use CSS 2D transform properties (ex: `scale()`) the logo image)
- c. Use gradient background for `<header>`
- d. Use a `<footer>` at the last element of end of all pages
- e. The style of a menu item will change on mouseover.
- f. Use a style for every `<form>` element and `<input>` element

### 3. Section JS

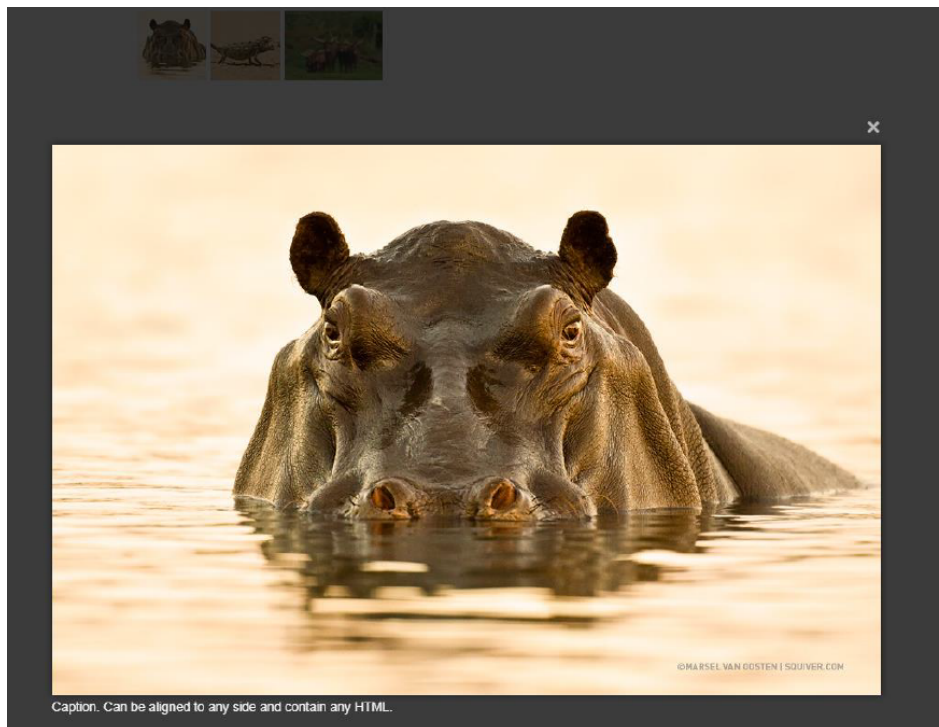
- Validate form fields (email format, date format, etc.) and display next to them a sign showing if the input is valid or not.
- One form must contain dynamically build drop-downs (ex: county + city, the city list will update on county change).
- One HTML page must contain at least one list (<ol> or <ul>) that shows only the first 2 elements, for the rest of them use a “View more” button.

### 4. Section JQuery/Angular/React

- Implement a live search for a <select> input:



- Implement a search by keywords and sorting by columns for at least one table
- Display a pop-up when the user selects one image by clicking on it, like the example below:



## 5. Section PHP

- a. All information about the products must be stored and extracted from the database using CRUD operations.
- b. The application must have at least 2 user roles (admin, registered user).
- c. The application must be deployed on a web server (**XAMPP, Virtual Machine, Docker, Cloud, etc**).