

# Web Site Development Assignment – Part B

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## Goal

The goal of this assignment is gaining practical experience with the technology and good practices of designing and developing web sites. The use of frameworks or content management systems is not allowed (e.g. Bootstrap, Joomla, Drupal, WordPress, CakePHP, etc.).

## Part B

Add a new page entitled "Comments". Here there should be a list of comments left by previous visitors, sorted in descending chronological order. If the comments are over 10, then these should be paginated, e.g. in groups of 10, and the page should allow navigation to the previous / next page. The page should also include a form for the submission of a new comment where the user should give optionally an e-mail and mandatory the text of the comment. The page should take appropriate measures to prevent attacks such as SQL Injection and Cross-Site Scripting. You should also use HTML5 to check at the browser when the user submits the form that the text of the comment is completed and that the e-mail optionally given has the expected form of e-mail (i.e. contains the character '@', etc).

Add a new page entitled «Quiz». The page should show 5 multiple choice question about life and / or work of the subject of your site. The questions should appear one after the other in random order out of a pool of at least 5 different questions. The multiple choice answers should be images (e.g. is this a picture of the subject of your site, is this a picture of a work of the subject of your site, etc...). As soon as the user chooses the answer, the page should be updated to indicate whether the answer is correct or not, without loading a new page. Then a new question should appear (after a while, or after a user clicks a button). At the end of the 5 questions, the statistics (correct/wrong) of the user should be shown. The questions and answers should not be part of the JavaScript code, but rather stored at the server.

## Logistics

The assignment must be undertaken by teams of 2-4 people. Each of the two parts (A and B) of the assignment correspond to 1 point in the final mark.

Each team must upload the web site at a server for demonstration. **Otherwise, the assignment will not be marked.** I recommend the use of the [web hosting services](#), of our university.

Each group must submit through the web page of the course in e-learning a text file containing:

- The names and student ids of the team members,
- The URL where the web site has been deployed,
- A URL pointing to a zip file containing all the files of the web site.

Deadline: 23/12/2016 23:55. Delayed submission up to two days incurs a penalty of 10% per day.