

Description

The students shall in groups of 1-4 persons create a web service with JavaScript functionality. As part of the project, the group shall decide their own concept of the page to build.

The students may extend a web page built in other courses or develop a new page.

The concept has to be described in a preliminary report and handed in to the teacher (mail to: gustaf@interfay.se) for assessment.

Scope

For students taking the course as 6 hp:

The web page may consist of multiple pages. However, it is enough that one of the pages contains the JavaScript functionality. You may therefore focus your concept to something that can be handled on one page.

For students taking the course as 9 hp:

The web page should consist of multiple pages. At least three pages shall contain JavaScript functionality within the concept of the service you are developing. The functionality must differ from the different pages. It is not sufficient to only alter the content of the pages, using the same javascript.

Functionality - grade “pass”

The site should at least have the following functions/requirements:

- Primary functions shall be own. (In contrary to be mainly from a pre-existing library or framework)
- Use event handling
- Create/Remove and manipulate DOM elements
- Be restrictive in the use of global variables
- Use third party data with JSON/-P or AJAX
- The concept shall be clear, concise and reasonable (make sure to discuss this with the teacher **before** starting your practical work).
- The web service shall be developed to support the concept that the group has decided to develop.
- A report should be written to explain the efforts taken to meet the requirements

For higher grades

The code quality shall be elegant and not redundant. For example:

- Use a documented style guide
- Apply object oriented programming where appropriate
- Use a well thought structure for the files
- Use multiple concepts to lower the load time for the page
- The report should match and explain the efforts made for a higher grade
- **Other efforts can be used to get a higher grade, be sure to consult the teacher to get it approved first.**