

Lab 2 PG 5300 Web 2.0 og Ajax

The objective of these lab exercises is to better understand what XML and Ajax is and what the benefits of Ajax are and be able use JavaScript, without a library/framework, to make an Ajax call.

NB!

Remember to apply good practices of coding, i.e. naming conventions, use of indentation, patterns etc.

Ajax/XMLHttpRequest

1. What is Ajax short for?
2. What is Ajax?
3. What are the advantages of using Ajax?
4. How does an Ajax-request work (what are the steps)?
5. What is XMLHttpRequest?
6. Make a web page where you retrieve text from a text file (for example notepad) with XMLHttpRequest
7. Make an XML file with a list of products (include 2-3 products with 2-3 attributes). Use XMLHttpRequest to retrieve the XML and write it out to the web page.
Remember to think about coding principle like DRY, structure etc.
8. More difficult: make an XML file with a nested XML list and retrieve with XMLHttpRequest and show on a web page

XML

1. What is XML short for?
2. What is XML?
3. What is XML used for?
4. Make an XML list of employees. Make 2-3 employees in the list each with 2-3 attributes (childNodes)
5. Make an XML list of two departments where you have a nested list of employees for each department