Assignment (Mappeinnlevering)
PGR300 Webutvikling 1

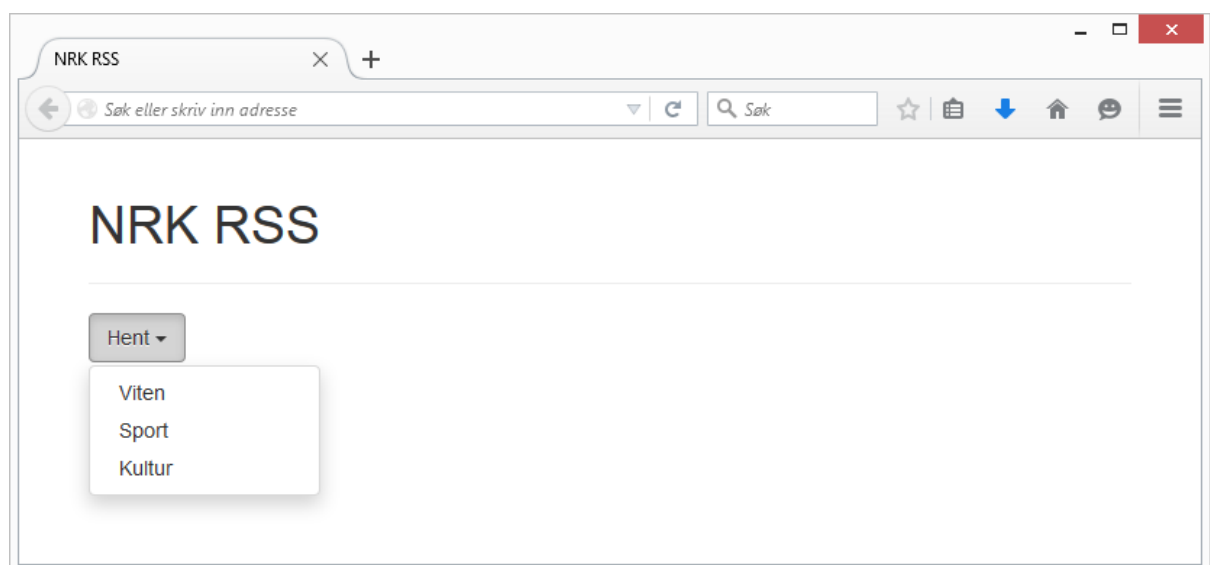**Deadline:** 16.10.16 23:55

Individual assignment

Comments:

- The main technologies of this assignment are Bootstrap, jQuery Ajax methods, XML and JSON
- Notice that you will also be graded on things like code structure, tidiness, good use of comments in code etc.
- If you are uncertain about something in the text contact the teacher
- Put the tasks in one folder, which you zip/rar, before uploading to Itslearning.

Task 1. NRK RSS Feed (RSS/XML) (50%)

Recreate the functionality and appearance of what is shown in the print screens below with jQuery Ajax methods, XML and Bootstrap.

1. Make your own XML file with an XML list which cointains three XML objects containing title and url for the following 3 urls:
   - http://www.nrk.no/viten/toppsaker.rss
   - http://www.nrk.no/sport/siste.rss
   - http://www.nrk.no/kultur/toppsaker.rss
2. Use your XML list created above to generate a **Bootstrap Single button dropdown** on a page

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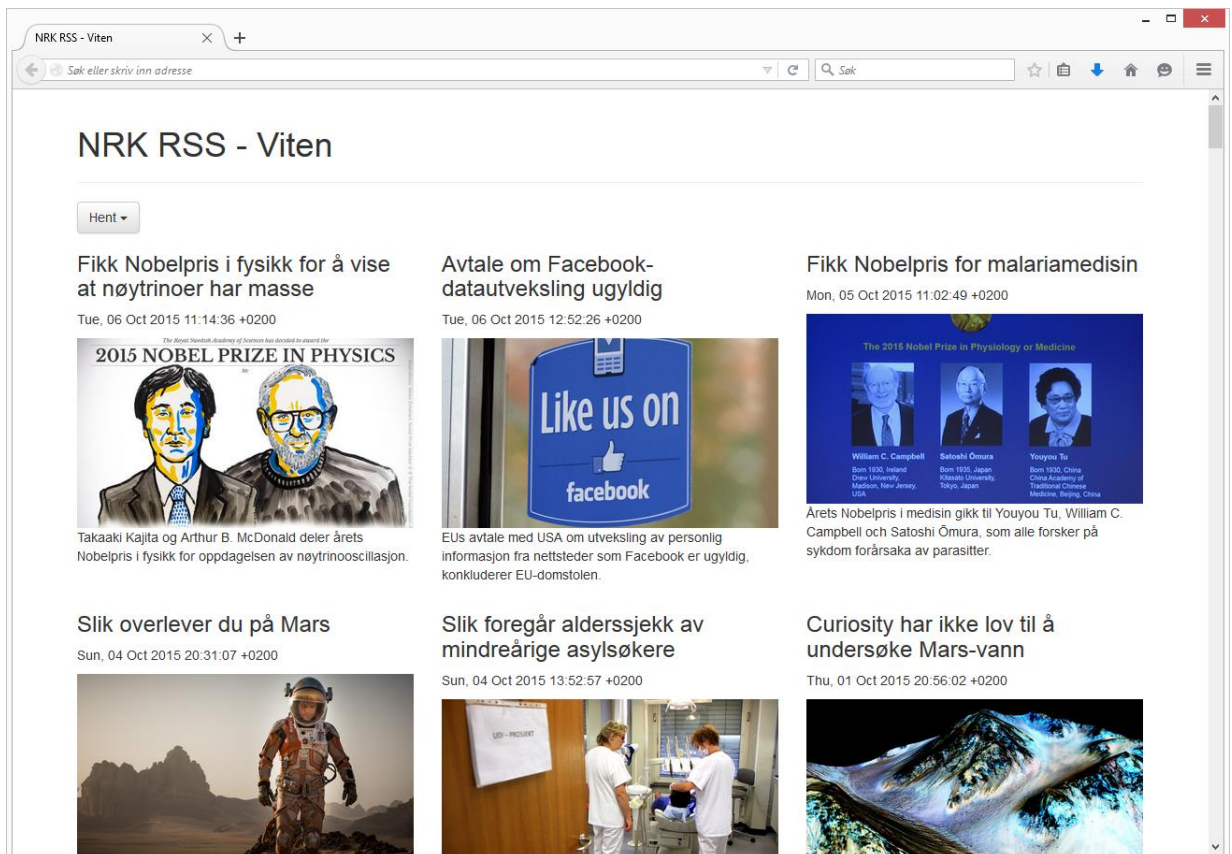www.westerdals.no

3. Use the proxy provided on the course page in the resource folder to retrieve RSS/XML from the NRK link and display the items in the feed on the page. You will use the jQuery Ajax method to retrieve the RSS, and traverse the RSS with jQuery. To be able to use the proxy use the following template for the url of the Ajax call:
   - var url = "proxy.php?feedUrl=" + "the NRK RSS Feed url";

Notice: For this task you will have to upload your solution to a server. Use the server provided by the school, or if you already have another account that is also ok.

Include the URL to where you have uploaded the solution in a text file with the assignment. This is in addition to upload to uploading everything to Itslearning.

Also: make sure to put your solution in a folder with a difficult name, and make sure you have an index file at the root so that others aren't able to see the file structure.

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Task 2. Find a JSON Feed / or YouTube JSON Feed

Google after a JSON feed online and display information from it on a web page. The only criteria are that it hasn't been used in the course and that you must get at least 3 different types of information from the JSON feed and that there are at least 5-10 items in the result. Ideally you are also to send data into the request.

You do not need to upload this task to a server.

For those that can't find or find YouTube interesting you may use YouTube API:

You will first have to get at YouTube API Key which you can get through your Westerdals gmail Account:

1. http://help.dimsemenov.com/kb/wordpress-royalslider-tutorials/wp-how-to-get-youtube-api-key
2. https://developers.google.com/youtube/v3/getting-started#before-you-start

Then you can use the API for example to do different types of searches

3. https://developers.google.com/youtube/v3/docs/search/list

-- End of assignment. --

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