Final assignment – DATA1200

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Overview

You are recommended to do this final assignment in groups of 3 to 7.

- Create groups on Inspera.

- Implement the project according to the description presented in *Functional requirements*.

- Create a website on GitHub pages[1].

- Submit the link to the site as text on Inspera[2].
  (But see end of document.)

Functional requirements

You must implement a website consisting of 5 separate web pages according to the descriptions provided in *Page contents* below.

The design ("look and feel" and/or layout) of 4 of these pages should be highly similar – or consistent across the pages; the 5th page may be different.

The overarching theme of the pages should be your experience as a first semester student. The content will be given only a little weight in the evaluation. See general grading criteria in section *How we shall grade these final assignments*.

A user who come across your page should easily understand from the front page (index.html) that you are new students.

All text should be in English or a Scandinavian language, including Sami but not Finnish, please.

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[1] https://pages.github.com/
[2] https://student.oslomet.no/hjemmeeksamen

Page contents

Your website will contain the following pages:

1. **Welcome!** (index.html): this page should be a general information page that helps the visitor understand what this site is, and navigate to the other pages. May be short and simple. Common theme for site: **Being a first-year student (at OsloMet)**.

2. **Reflection-essay**: This page must contain a short text (500-700 words) describing the challenges experienced by the (one, several or all) members of the group when transitioning from upper-secondary school (or work-life) to university. Reflect on *any* of the following topics:
a) learning to code, *or*
b) being a student rather than a pupil, *or*
c) managing the workload.

   Please illustrate with screenshots of code or illustrating images if you can. Else, we recommend using images of OsloMet to create a mix of headings, paragraphs, and images for this page. We shall not assess the language/grammar of the paragraphs. We expect headings, text and images that relate to each other (content). Headings should be informative and grammatically correct (proper visual hierarchy).

3. **Accessibility** page: It must contain a short presentation of accessibility (up to 500 words describing how the group tested the code for accessibility using an automated test. Also explain how you checked, validated, and made coding-choices for universal design beyond what an automated test can do. You are welcome to use screenshots from the testing site and of your code. *We shall read this text!* While the content of your page is but a minor part of the assessment, this is the text that we are certain to read. (Grammar not important.)

4. **Topical information** page: Technology and society (with external links): Write – or re-use a short text you have previously written – (anywhere from 300 to 1000 words) about technology and society. You are allowed to reuse text from "DATA1100 Technology and Society for Programmers" or other subjects. This text should have multiple links to external sites with relevant information. We shall not grade you on how relevant the information you link to is, but we expect several links and we expect it to be easy to understand before clicking what information you lead us to.

5. **Fun** page: Make one page that is in a different layout and have a different styling than the others. Put in some text and images. We accept place-holder text, but don't use copyrighted images. Or you can present an activity or a place in Oslo. This page is an opportunity to be creative and shine. You may embed video or sound, but again: beware of copyright, please! Don't forget to consider the size of the media files (videos or pictures).

How we shall grade these final assignments

- Structure and navigation, wide screen and small screens: Are the pages well structured (with headings, paragraphs, images) and is it easy to navigate between the pages? We shall check this on different screens.

- Accessibility and legibility: We shall look both at the automated test and use our experience to assess how well designed the pages are. (The «Fun page!» Is not part of "Accessibility"-assessment.) Your description will assist us in understanding the choices you have made.

- Ease of maintenance: Is the code easy to maintain for a new developer? Can someone else take over your work and modify, change, and further develop this site using their IDE of choice (rather than the one you used)? We shall look at the code itself. Is it well-structured and easy to read? Are you following conventions for comments? Is the CSS well organised with each element styled only once (if possible)? Is the structural code (like boxes) separate from code that define the visuals? Et cetera.

- The text "Short presentation of accessibility". Have you done an automated test? Were you able to comprehend the results? Have you reflected on accessibility beyond automated tests? And does the entire site appear coherent, as a site of pages, rather than fragmented texts without a common theme?

- We accept reuse of code from you obligatory assignments.

- If you reuse code from *other* resources, please no more than 5 lines of code, and be sure to cite (include a comment to reference the original resource or website).

- Remember not to include any personal information in the text, as these are public sites and GitHub servers are located outside the GDPR/ EU jurisdiction.

If you do not wish to publish on GitHub Pages:

The group may choose to create a compressed file (zip-file) with all files and directories and upload that file on Inspera instead.

This choice will not affect your grade.