Project Overview

Keep in mind that these documents might be updated during the semester.
Last updated: 13.09.2022.

IT2805 (Web-Technologies) course focuses on front-end web development. Thus, databases or other back-end functionalities are not allowed. All the documents are a mimic of some phases from real-life software development and consist of detailed information about the phases separately. We encourage you to read a bit ahead since each phase will make more sense when you know where we are going next.

Goal

The goal of your project is to design, implement, and post a real website.

Due dates and grading

All the documents have to be submitted on Blackboard within the due date. We do not accept late submissions (i.e., they will not be graded).

Document	Grading percent	Due date
P0 – Getting Started	0%	September 26th, 23:59
P1 – Project Requirements	10%	October 3rd, 23:59
P2 – Project Design	25%	October 10th, 23:59
P3 – Project Coding	50%	November 21st, 23:59
P4 – Project Testing	15%	November 21st, 23:59

All parts of the project should be shared equally by the partners on the team. When all partners participate equally, equal grades will be assigned to each member of the team. In some very exceptional cases, we reserve the right to award different grades to team members if it comes to our attention that a team member is doing substantially larger or smaller amounts of work than the others.

Note: *The website needs to be active until the exams in a given URL.*

Team Project

This is a team project, and you will work together to deliver all the phases and contribute to the team. It is important to have good communication with the team, the client, and the project advisor. In addition, it is important to support each other through teamwork and help each other out (even though it is difficult). Communication between the team members is extremely important in software development and learning how to deal with different unforeseen circumstances and team members is an important skill you need to develop.

Note: In some very exceptional circumstances, we might allow solo projects, but we need to have a very good documented reason (e.g., Medical).

Clients

Your client can be imaginary, but we encourage you to use real clients. This can be pretty much any person or organization who wants a website of the sort IT2805 students can make. Such sites will be modest in scope and will not have features of databases.
Who can be a client? A wide range of people and organizations can be clients.

For example:
- A student dorm, organization, club, or team
- A charitable organization, or civic association.
- A small business, either locally, in the hometown of one of the students, or even elsewhere.
- An individual with a hobby, business or some other interest.

Note: The real client should understand that deadlines in IT2805 are firm and the limitations to the website.

The scope of the Website

The scope of the website has to be manageable for a semester. In other words, the scope has to be big enough and still be finishable before the deadlines, while keeping within the curriculum.

If the team chooses a real client, it is easy to go beyond the scope, since the client may have many wishes. There is no limitation on the number of pages for the website, but make sure there are no missing pages or unnecessary pages. The website has to consist of text, images and graphical decorations (CSS). Movies and sounds are optional. In addition, make sure to use no copyrighted photos. Get the assets you need from your client or take/make your own photos.

The website has to be responsive, and databases cannot be used. If it makes use of things like forms or email sending, you should fake the sending by displaying some feedback to the users like "You have sent the message.".

This course expects the team to be genuinely creative to design a website. Therefore, it is not appropriate to update an existing site where you tweak a few things. Even if there is an existing site (which often is the case), the replacement site is expected to be genuinely new: a complete redesign.

Restrictions for the Website

We understand that in some cases using frameworks or other more advanced web technologies would have served the project better, but it's of paramount importance for IT2805 to make sure that you have mastered pure HTML, CSS, and JavaScript coding, before you engage with more sophisticated technologies (that you can do in IT2810).

Therefore, your project can only be made of **pure** HTML, CSS, and JavaScript, and further web technologies like jQuery, etc. are not allowed. There are a bunch of more advanced web technologies like React, Angular, Elm, SASS, TypeScript, Node.js, Bootstrap, etc. that you can engage after finishing or beyond the scope of IT2805. If you are interested in learning or using such web technologies, you then have an opportunity to take IT2810 – Web Development in the 3rd grade. **CSS Flexbox and CSS Grid are allowed**.
Note: The file types that are allowed for the project is .html, .js and .css. The filetype .php is not allowed, even though you are trying to implement modularity.

Hosting

The website may be hosted on NTNU's server and you can see find some more information here:
https://innsida.ntnu.no/wiki/-/wiki/English/Create+your+own+website

Note: If you do not want to use NTNU's hosting, make sure your URL is up to date and accessible. In other words, the localhost is not allowed for delivery.