# Advanced Web Tech Assignment Part #2: 60% of overall grade

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| Topic | Criteria | Marks | |
|---|---|---|---|
| **Code** | Working implementation of server component using Python & Python-Flask | 17 | **/20** |
| | Development & integration of appropriate user interface & associated user experience | 17 | **/20** |
| | Above & Beyond (indicative):<br>* Additional features specific to your project<br>* Use of UI template language instead of raw HTML)<br>* Use of client-side storage to survive browser restart (offline mode)<br>* Use of storage on server-side to survive app restart (file, db, cloud)<br>* Creative use of additional browser APIs or server-side libraries<br>* Design & Implementation of creative extensions & additional features beyond the topics studied in class<br>* Evidence of professional skills: Use of Git, quality of code, project organisation | 17 | **/20** |
| **Report & Screencast** | * Explanation of differences between initial plan and final submission<br>* Description of features for enhancement<br>* Reflection upon challenges faced<br>* Reflection upon achievement made<br>* Screencast with voiceover | 26 | **/30** |
| | Above & beyond (indicative):<br>* Quality of writing beyond minimum acceptability<br>* Quality of critical reflection on changes between plan & implementation<br>* Depth of reflection & plans for addressing un-met challenges | 7 | **/10** |
| | **Marks Total:** | 84 | **/100** |
| | **Weighted (% of overall grade for the module so far):** | | 50.4 |

# Additional Notes:

An excellent implementation of your site idea.Excellent use of Python Flask, HTML CSS, &/or JS.An excellent public deployment of your site. You've deployed a website, it's on the web, and there are few if any noticeable issues.The public deployment of your site

makes good use of your personal Napier-based server.A comprehensive submission of the source cide for your site was made to Moodle. It appears as though everything required to deploy your site is included.An excellent report was supplied.Your report was appropriately sized to communicate what you needed to say.Your report was excellently written.Your report was supplied in the correct format (PDF).Your report identifies your deployment URL.Your report does an excellent job of explaining the differences between your initial plan from part #1 and your final implementation,Your report does an excellent job describing any features that you would add or improve to enhance your project give more time and what you know now.There is some excellent reflection on the challenges faced and achievements made.An excellent screencast was supplied. This did a great job of communicating the features and functionality of your site.The screencast was excellently presented.The screencast was just about the right length to communicate the most important aspects of your project.The screencast recording was well sized.Overall there is an exceptional attempt at your project idea and I'm really pleased to see it deployed. Exceptional work overall. Well done. I'm really impressed.

# General Feedback To the Class:

Generally I think that you've all made a really good effort at implementing your assignment idea. In a few cases members of the class greatly, or completely, changed their idea. This was perfectly valid, and I feel it is important sometimes to be able to decide for yourself whether to continue down the current path or to try a new direction. In Unix development we have the principle of "build one to throw away". The basic idea is that you learn more about the problem, or tooling, in your first attempt, which can mean that the second attempt progresses much more rapidly. Often though, the first thing we build is the thing we keep. That's also completely valid. But learning when and if to make the decision is a skill that can take time to develop.

Overall I'm really quite pleased by the range of creative ideas across the entire class. I also appreciate that some of you found the degree of freedom you're given with this project to be quite challenging. Now you're out of the other side of things I think it is important to reflect on all aspects of your experience. This isn't just about getting a grade for this specific module, but also about building the skills you'll need for the rest of your degree, and that will provide a foundation for your career. You'lll definitely find some aspects of this project to be useful when you head into your honours project; coming up with an idea, background research, planning your time, designing, testing, implementing, evaluating, and writing it up, are all things you'll have to do to some degree to meet the honours project learning outcomes. Now you've had a bit of a practise on some of these things....

Generally you've all written to at least a reasonably good standard and produced well organised reports. Although I didn't require you to write in third person, it is worth attempting to write in a more formal academic style on occasion, if only to practise for when you must do so. I know that some of you don't feel that report writing is necessarily your strongest skill, but skills do improve and strengthen with practise, and, more importantly, there is a good chance that you will have to write reports during your career, whether in computing, or any other discipline, so some practise now will stand you in good stead for the future.

Remember to proof read your writing before sending it to someone else, such as me. This means reading through what you've written and making sure that it makes sense, and

doesn't contain either grammatical or spelling mistakes (I know at this point that I've probably left typos in this feedback as well). Just doing this once when you think you've finished writing can help you avoid embarrassing mistakes, especially when they occur in the first sentence or paragraph (or in the title). A few of you submitted reports without page numbers which can make it hard for me to refer you to specific pages. So make sure to have page numbers enabled. Actually, for anything longer than a single page, I'd suggest enabling page numbers unless there is a reason not to include them.

If you include figures, e.g. screenshots or illustrations, then you must include captions. This way you control the narrative and can tell the reader what they should take away from it. The caption helps focus the reader on the important messge of the figure (although there can be multiple messages to interpret here, you probably have a particular reason for including a give figure, so why not explain that in words). Similarly, figures illustrate the text, but don't replace it. So figures should always be referred to from the main text and are not there to replace it.

One of the things that most impressed me this year was the number of students who followed the submission instructions accurately. Usually there is more variation in things like what's been included in the zip file, items missing, or the file format of the report. But not this year, nearly everyone did it right.

Overall, great efforts across the class, some evidence of significant work, and. in general, work to be proud of from all.

# Information About Your Grade:

Note that grades are provisional and unconfirmed until everything has been through the official moderation and confirmation process which usually occurs at the end of the trimester/start of the next. You will get official notification of results from the university once all of the programme board meetings have occured.

Importantly, don't compare grades you might have achieved at school or college, or institutions in other countries, to those you get at Napier. For example, college level grades are, on average, several bands higher than university grades, but this does not mean that you are doing worse. Instead, we strive to use as much of the grading scale as possible and where appropriate. As a rule, across all modules, the average grade tends to naturally fall around the upper half of the 60%-70% grade band, with, very frequently, a natural bell curve of grades both above and below that point. The following scale should give you some idea of how to interpret your grade band:

**0-40%** There are a number of ways to arrive at a mark in this band, but generally you will either have failed to create a working practical implementation to a minimal standard in either part of the project, or have failed to submit a report that is written to an acceptable standard in either part of the project, or some combination of both.

**40-49%** Work in this grade band is considered to be up to an overall, acceptable, but minimal standard and constitutes a bare pass of the module. Practical implementations will cover at least the core requirements in each part and reports will be written to a minimally acceptable standard of content and presentation.

**50-59%** Work in this grade band is work that has achieved a good standard. This means that there is evidence that you are applying some depth of knowledge to the goals that you set out to achieve and are developing ambition in relation to what you build.

**60-69%** To achieve a mark in this band you will have produced work that is to a very good standard. As a rule, **most students will achieve in the mid to upper end of this grade band**. This indicates that you are developing significant depth in your understanding of the domain as a whole, as well as significant technical understanding of underlying technologies. You will also be developing reliable critical faculties that enable you to realistically appreciate what you have achieved and how it can be improved.

**70-100%** A submission in this mark band represents excellent work. Above 80% you should consider your work to be exceptional, and above 90% your work is exemplary and tending towards perfection. To achieve a mark above 70% you will have integrated and extended the lab work covered in class to offer an excellent level of functionality, both in terms of the number of features and their quality of implementation. Your reports will explain your thinking, in relation to both design and implementation, with clarity . To achieve above 80% then you should be aiming to exceed the taught content of the module and introduce ideas and findings from your self-directed learning.