

# Instructions

## Overview (total 19 pages)

In this staff graded assignment you will submit your **final project report**. The report will consist of 6 chapters:

### 1. Introduction (max 2 pages)

This will explain the project concept and motivation for the project (this can be based on your proposal). This must also state which project template you are using.

### 2. Literatures review (max 5 pages)

This is a revised version of the document that you submit for your second peer review

### 3. Design (max 4 pages)

This is a revised version of the document that you submit for your third peer review

### 4. Implementation (max 3 pages)

This should describe the implementation of the project. This should follow the style of the topic 6 peer review (but greatly expanded to cover the entire implementation), describing the major algorithms/techniques used, explanation of the most important parts of the code and a visual representation of the results (e.g. screenshots or graphs)

### 5. Evaluation (max 3 pages)

Describe the evaluation carried out (e.g. user studies or testing on data) and give the results. This should give a critical evaluation of the project as a whole making clear successes, failures, limitations and possible extensions.

### 6. Conclusion (max 2 pages)

This can be a short summary of the project as a whole but it can also bring out any broader themes you would like to discuss or suggest further work.

## Extra information

In addition to the page limits listed, you can have additional pages of images and references.

You must include a **link** to your **code repository**, which will be **publicly viewable**.

You can return to the previous peer reviews for instructions on the first four parts of this submission.

As well as the report you should submit a **2-5 minute video** demonstrating your project working. This should show all the important features of the project and explain a little of how they work.

## Grading criterias

You will be marked according to the following criteria (the earlier criteria are the same)

1. [Is the report clearly written and presented?](#) (10 points)
2. [Are the diagrams and images appropriate and clear?](#) (10 points)
3. [Does the report display knowledge of the area of study, previous work and academic literature?](#) (10 points)
4. [Does the report critically evaluate the previous work and/or academic literature?](#) (6 points)
5. [Does the report use proper citation?](#) (4 points)
6. [Is the design of the project clear and of high quality?](#) (12 points)
7. [Is the project concept justified based on the domain and users?](#) (8 points)
8. [Is the final implementation of high quality?](#) (22 points)
9. [Is the final implementation technically challenging?](#) (8 points)
10. [Is the evaluation strategy appropriate to the aims of the project?](#) (6 points)
11. [Does the evaluation display good coverage of appropriate issues?](#) (5 points)
12. [Are the results of the evaluation presented well?](#) (5 points)
13. [Are the evaluation results used to critically analyze the project with respect to the objectives of the project?](#) (4 points)
14. [Does the project display evidence of originality?](#) (10 points)

## Video submission

1. [Is the final product of high quality?](#) (7 points)
2. [Is the implementation that is described technically challenging?](#) (3 points)

## Detailed rubric

### Is the report clearly written and presented?

No	0
No, but. . . there is some attempt to describe the project but it is very hard to understand	2
Yes, but. . . the project is mostly clear, but some areas are hard to understand, or miss important information	6
Yes, the project is presented clearly and in appropriate language	7
Yes, and. . . a very professional level of language to academic or industry standards	10

### Are the diagrams and images appropriate and clear?

No, there are no diagrams	0
No, but. . . there are some images, but they don't really relate to the text in any way.	2
Yes, but. . . there is use of visual materials but they are of poor quality or poorly linked to the text	5
Yes, good quality visual that compliment the text and communicate important information	7
Yes, and. . . a very professional level of visual materials to academic or industry standards	10

### Does the report display knowledge of the area of study, previous work and academic literature?

No	0
No, but. . . there are some attempts to refer to other work	4
Yes, but. . . the report some discussion of the area and a few bits of previous work, but the discussion might be limited, confused or only partially correct	6
Yes, the report gives an overview of the area and well written discussion of at least 4-6 pieces of previous work, based primarily on a good reading of the suggested work from the template	8
Yes, and. . . the report gives a detailed and insightful analysis of the area of study with a detailed description of very well chosen examples of previous work that goes considerably beyond what was suggested in the template	10

### Does the report critically evaluate the previous work and/or academic literature?

No	0
Yes, but. . . the report makes some attempts at evaluating previous work	2
Yes, the report situates the project in a critical analysis of previous work	4
Yes, and. . . the report gives a detailed and insightful analysis of the area of study with a detailed description of very well chosen examples of previous work that goes considerably beyond what was suggested in the template	6

### Does the report contain appropriate citations?

No	0
Yes, but. . . the report presents some previous work without proper citations (e.g. no citations or just links or incorrect style)	2
Yes, all work mentioned in the report is cited in correct ACM style	4

### Is the design of the project clear and of high quality?

No	0
No, but. . . the design is hard to follow and very incomplete, but there are some attempts to present a design	2
A design corresponding to the "acceptable" level of project described in the template but not described in a clear or complete way, or with several flaws	4
A clearly described design that corresponds the "acceptable" level of project described in the template	5
A design corresponding to the "good" or "excellent" level of project described in the template but not described in a clear or complete way, or with several flaws	6
A clearly described design (including suitable visual communication) corresponding to the "good" level of project described in the template	8
A design corresponding to an "excellent" project but with elements lacking or a few flaws	10
A very clear and coherent design, described well in both visuals and writing that corresponds to the "excellent" level of project described in the template	12

### Is the project concept justified based on the domain and users?

No	0
No, but. . . there are some attempts to justify the concept, but without evidence	2
Yes, but. . . the project concept includes some reference to the domain and users but without a full analysis of requirements	4
Yes, the project concept is based on a clear and evidenced argument for the requirements of users and/or the domain	6
Yes, and. . . a project concept that is strongly based on a detailed, insightful and innovative analysis of the users and/or domain	8

### Is the final implementation of high quality?

No, there is no implementation described	0
No, but, there is no working prototype, but there is some attempt at making one	6
Yes, but. . . there is a working prototype that would correspond to part of a project at the "acceptable" level of project described in the template	12
Yes, but. . . there is a prototype that would correspond to part of a project at the "good" or "excellent" level of project described in the template, but it has many bugs and flaws	15
Yes, there is a working prototype that would correspond to part of a project at the "good" level of project described in the template	18
Yes, and. . . there is a working prototype that would correspond to part of a project at the "excellent" level of project described in the template	22

### Is the implementation that is described technically challenging?

No, the prototype is OK but fairly standard	0
Yes, but. . . This prototype includes some of the more difficult techniques or algorithms taught in this degree	3
Yes, This prototype includes some very difficult techniques or algorithms that go beyond what is taught in this degree (closer to masters or professional level)	6
Yes, and. . . this prototype is extremely advanced, either being close to cutting edge research (advanced masters or PhD), or very advanced/cutting edge professional work	8

### Is the evaluation strategy appropriate to the aims of the project?

No, there is no evaluation strategy	0
No, but. . . there is some attempt at an evaluation plan, but it is very confused or not explained in any detail	2
Yes, but. . . the strategy is simply a restatement of the suggested approach from the template	3
Yes, but. . . The strategy does not engage with the suggestions of the template or is otherwise not appropriate	4
Yes, it is a well thought out strategy that builds on that proposed in the template	5
Yes, and. . . the strategy is very detailed an well thought out, going considerably beyond that described in the template	6

### Does the evaluation display good coverage of appropriate issues?

No, there is no real evaluation	0
No, but. . . the evaluation does cover some important issues but misses many others	2
Yes, but. . . there are some important areas that the evaluation misses	3
Yes, the evaluation covers the major important areas of the project	4
Yes, and. . . the evaluation is very detailed and covers a number of subtle issues	5

### Are the results of the evaluation presented well?

No, there is no evaluation presented	0
No, but. . . there is some attempt to describe the evaluation but it is very hard to understand	2
Yes, but. . . the write up of the evaluation is hard to read, omits important information or contains errors	3
Yes, the results are clearly presented in a way that is easy to follow for computer scientist	4
Yes, and. . . the report is of a very professional standard, either of academic or industry research	5

### Are the evaluation results used to critically analyse the project with respect to the objectives of the project?

No	0
Yes, but. . . the project presents some analysis but it is simplistic (e.g. just using results to say how good the project it) and/or does not address the objectives of the project	1
Yes, a balanced, evidenced analysis of the good and bad aspects of the project relative to the original objectives	2
Yes, and. . . a critical, evidence driven analysis that goes beyond the pros and cons of the project to make potentially generalisable conclusions	4

### Does the project display evidence of originality?

No, this is a fairly standard undergraduate project	0
Yes, but. . . this type of project is novel or original in comparison with the large majority of undergraduate projects	5
Yes, an original piece of work that goes considerably beyond undergraduate level and is closer to what would be expected at masters level or at the level of a valuable new product development	8
Yes, and. . . a level of original research or innovative that is would normally be expected at PhD level, or a highly innovative commercial product	10

## Video submission

### Is the final product of high quality?

No, there is no demo	0
No, but, there is no working prototype, but there is some attempt at making one	2
Yes, but. . . there is a working prototype that would correspond to part of a project at the "acceptable" level of project described in the template	3
Yes, but. . . there is a prototype that would correspond to part of a project at the "good" or "excellent" level of project described in the template, but it has many bugs and flaws	5
Yes, there is a working prototype that would correspond to part of a project at the "good" level of project described in the template	6
Yes, and. . . there is a working prototype that would correspond to part of a project at the "excellent" level of project described in the template	7

### Is the implementation that is described technically challenging?

No, the prototype is OK but fairly standard	0
Yes, but. . . This prototype includes some of the more difficult techniques or algorithms taught in this degree	1
Yes, This prototype includes some very difficult techniques or algorithms that go beyond what is taught in this degree (closer to masters or professional level)	2
Yes, and. . . this prototype is extremely advanced, either being close to cutting edge research (advanced masters or PhD), or very advanced/cutting edge professional work	3