

Module: CMP-(6012Y/6013Y/6028Y) **Third year project**

Assignment: **Project portfolio**

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Date set : 24 March 2021

Value : 65%

Date due : 19 May 2021 by 15:00, (Inspection on presentation day: 17 June 2021)

Returned by : 22 June 2021

Submission : School server (details below)

Learning outcomes

- Learn to apply techniques previously learnt in the course to the solution of problems.
- Gain experience in planning, design, implementation, testing and analysis.
- Gain experience of applying research and investigative methodologies to practical applications.
- Develop the discipline of accurate documentation.
- Gain experience of the preparation of a substantial, properly structured report.

Specification

Overview

Production of the final report and poster for your project, artefacts associated with the project as well as a notebook showing how the work was conducted.

Description

The aim of the project portfolio is to produce a report which demonstrates that you have

1. summarised the knowledge and issues critical to the project,
2. related your work to previous relevant work,
3. conducted a coherent work plan to deliver design, code, survey or analytical results that meet the goals set out for the project,

and to produce artefacts which shows

1. engagement in the project and planning of work,
2. production of quality artefacts and accompanying documentation.

Relationship to formative assessment

The report follows work reviewed on a weekly basis with individual supervisors.

Deliverables

A You are required to write a report of your project. The report must be

- formatted in the specified style using the `cmpreport` class file with option `final` provided on Blackboard, paying particular attention to citations and bibliography. No low level commands that change the style of the document (font, spacing, indentation) should be used.

Reports not produced in this way will be rejected.

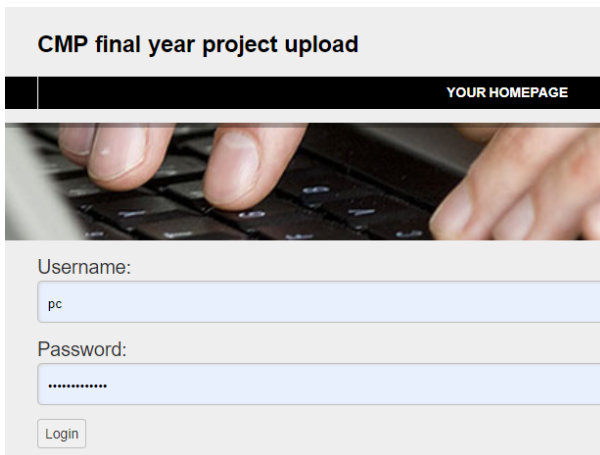
- have no more than 50 single sided pages including all appendices, bibliography, title page, table of contents, etc. (Any material in excess of 55 pages will not be generated by \LaTeX .)
- be submitted in PDF format.

B You are required to produce a poster. The poster must be submitted in PDF format.

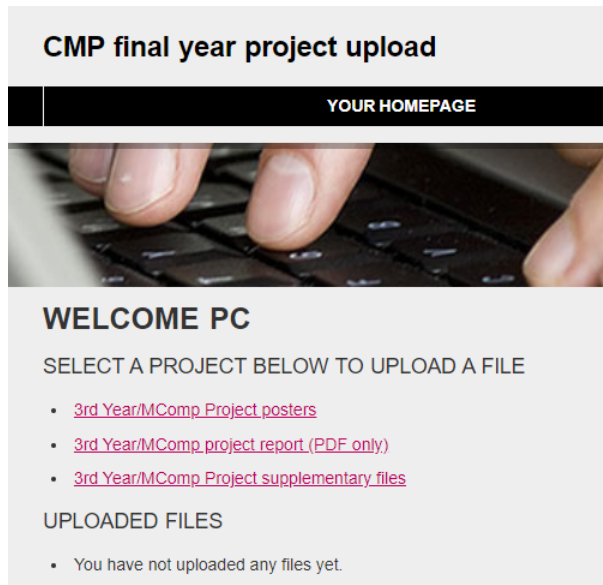
C You are required to submit your supporting material, including project notebook.

Submission

Go to <https://3yp-upload.cmp.uea.ac.uk>. You'll get the login screen:



Use your standard lab login and password. The login would be something like abc20cde, NOT abc20cde@uea.ac.uk. Then you get the screen:



Your poster must be a PDF file. Note that you should submit your portfolio, including notebook (Project supplementary files) as a zip file. If the zip file is bigger than 1GB, you should instead submit several zip files smaller than 1 GB. We only need your source code, not the executables or object files or any other build. Please include a README file with your portfolio so that the markers can understand the structure/content of your submission. Note that if you make a mistake and upload an incorrect version, you can upload again (within deadline).

Resources

Dawson, C., 2015. Projects in Computing and Information Systems: A Student's Guide. Pearson Education

Marking scheme

The portfolio is composed of a report, a poster, and supporting material. The criteria below are associated with the report and poster. The marks obtained will depend not only on the quality of the information presented in the report but also on the quality of the material that supports it. Much of the detailed evidence of work may be contained in the supporting material; however, a good mark cannot be obtained for supporting material that is not adequately presented or summarised in the report.

The supporting material should include a *project notebook*. The project notebook should have been used to record meetings with the supervisor and document the progress of the project work. It should include a Gantt chart and its revisions, a weekly recording of time spent on planned tasks, and any information (e.g. milestones reached) necessary to clearly present how the work was conducted throughout the year.

Marking criteria

15% Introduction, related work and context

20% Design / Methodology / Experimental plan

This must include:

- **Build, Experimental, Simulation:** formal documentation, such as UML diagrams and/or pseudo-code, as well as explanation and justification of the design and technology choices, and commentary on any issues
- **Theory:** models with justification, and detailed explanation of mathematical equations and theoretical results used
- **Observational:** any surveys, interview proformas, ethics applications and other documentation, appropriate to the project topic

For all projects evidence of planning, engagement, note-taking, and other material that should be contained in the student's project notebook should be summarized in the report.

20% Outcome / Analysis / Results

- **Build, Experimental, Simulation:** evidence of code functionality, commented code, technical and user documentation so that the code could be maintained by a third party and results reproduced.
- **Theory:** detailed presentation of results established including proofs and/or other methods of validation of the proposed models.
- **Observational:** raw survey data and detailed information about experiments and analysis so that results can be reproduced.

20% Discussion, evaluation and conclusion

This is strongly dependent on the project, but issues appropriate to the project topic and similar to the following ones should be addressed:

- **Build:** software testing, program analysis, user testing, limitations of the design
- **Experimental, Simulation:** program testing, validation and/or comparison of results using test bench instances, statistical analysis of results
- **Theory:** comparisons with other studies, limitations of the results, possible extensions.
- **Observational:** comparisons with other studies, limitations of the survey design, data collection and consistency, scope and completeness of the analysis

In all cases an evaluation of the achievements of the project, compared with requirements and/or the project brief, should be included.

10% Quality and accuracy of writing

15% Poster quality (summarization of project, and attractiveness).

Note that your report is marked independently of any other information submitted in your portfolio (except for checking appendix material and the truthfulness of claims made in the report).