* maximum limit of 3,000 words (*excluding Gantt chart or references*).
* going over these word count limits **will** lead to a penalty
* you need **not** include all of your data or designs, but will be required to **summarise**, and **highlight critical components** to **illustrate the detail of your work**.
* You do not need to repeat any content from the evaluation data in your group 'reference' report, but where you refer to this reference material in your discussion, this should be clearly identified.

**Section 1**

* explain how you planned and went about *engineer*ing your solution
* describe the Usability Engineering/ user-centred design (UCD) approach or methodology
* tools, techniques or methods you used for creating your prototype (any limitations that this imposed on your design process)
* **justify your decisions and use references to support the choices that you made**
* ***methods must be recognised usability engineering methods and you should provide references to support these methods***
* include a Gantt chart in a 1-page appendix
* chart should be accompanied by a description in the main section explaining your plan, progress against your initial planning, and any decisions about your planning that you feel are appropriate

**Section 2**

* how you generated, developed and refined your user requirements
* justification of why you think features of the data collection process are relevant e.g. why this number/ age/ gender/ background of participants was suitable, your reasons for selecting these methods, and any limitations that they might have
* ***formal list of the user requirements***
* how these were derived from the data
* references to support any decisions
* **You do not need to repeat any content on data collection in your group 'reference' report about, but where you refer to this reference material in your discussion, this should be clearly identified.**

**Section 3**

* explain how you translated the user requirements into the design
* explain the rationale for the design solutions
* connecting both your team’s requirements gathering/specification and the usability engineering principles
* may include images showing aspects of the interaction design
* ***section assesses your******application of usability engineering principles, you will need to describe which principles you have applied, and show how they have driven your interaction design***
* Usability engineering principles include topics relating to cognition, perception (eg. affordances, depth cues), attention, memory, and other design-relevant guidance
* not expected to describe your design/s (this should be in the ‘reference’ report), but to explain your *reasons* for designing its form and interactivity in this way

**Section 4**

* how you evaluated your prototype/s solutions to assess its usability
* consider how it could be further improved
* explain *why* you selected and *how* you applied the ***recognised usability engineering evaluation methods and techniques***
* any limitations that they might have or which impact on your findings
* may wish to show how you used different evaluation techniques at different phases of the design process
* all decisions that you make should be supported with references or practical justifications

**Section 5**

**References**

In writing your report, you are expected to use appropriate literature regarding the relevant usability engineering issues, and to cite this literature appropriately. Please use as many as you need to show how you justified your answers above. You are **strongly** advised not to restrict yourself to just the references given at the end of each lecture and in the study guide, but to also investigate other literature. Try to use the peer-reviewed literature of academic journals and conferences, as well as books and web-based resources. Limiting yourself to non-academic or practitioner web resources will limit your grades. Failure to cite references may constitute **plagiarism**, since the lack of citations implies that you are trying to pass off others’ work as your own. You only need to list references here that you actually cite in the report, not just papers that you have read. Please consult and familiarise yourself with the Referencing guidelines provided in the Computer Science Student Handbook. Note that you will need to list all of the references used in the report in the [Harvard style](http://www.brunel.ac.uk/__data/assets/pdf_file/0020/161471/Harvard-Guide.pdf), adding an appropriate in-text citation (e.g. Jones, 2005), for e.g.: