

### Expectations for group final deliverables.

There is an external document that lists the documentation that you will be required to provide and the marking of these will be covered separately. The marking of the repositories will be considered as part of the marking of the reports and part of the marking of the code. In this regard you will have:

- A code repository. This will give up to date access to your code in the final mark able state. The repository will show regular contributions from the whole group or from that part of the group that has been responsible for code. It will show that you have understood the need to keep your development code separate from your deliverable code. It will also include your unit tests, black/white box tests. A report of your user testing and other test schedules should be available on your document repository. Your code will be assessed for the quality of its writing and the quality of its performance. It will show clear evidence of a good structured approach to development. (Hence the need for well-designed testing schedules.) No specific style is required but your style should be consistent. Thus for example use of indentation, placing of opening and closing brackets etc. will count. Also variable and method/function names should be consistent, as should constants. Use of enumerated data types is encouraged where it helps the clarity of the code. Code should be refactored to reduce complexity where appropriate. Methods/functions should have a single purpose.
- A document repository. This will hold all of your documentation but should be well structured for ease of access by anyone assessing what you have done. It must be possible to be able to trace the development of your work. You thus need to keep records of meetings with your supervisor(s). Any changes to the specification should be noted and explained. This should reflect an ongoing process and not a rush at the end to try and prove you are doing something. Risk assessment and disaster recovery should be noted. In the case where your work has a large element of research this should be fully recorded. All results should be kept unless a participant has requested to be removed from your study. It should be clear that you have completed a suitable ethics process.
- Evidence of project planning. This may include use of a Trello board. If you are using any other form of project management then it should be recorded in some way and available via either the code repository or document repository. It should be possible to reconstruct your original backlog from the work completed. There should be clear evidence of test planning in the line of what you are doing. This will be reflected in a test log and bug report which in some way shows that bugs have been dealt with. One or two Gantt charts will not be sufficient evidence of project planning.

As well as how you developed the code and its internal quality, the external quality – i.e. whether it works and to what extent – will also be assessed. Information for this will be as evidence in the formal end of project report as well as at the open day when your stand is visited.

The stand will be assessed on the basis of how the whole team performs. Everybody in the team should be present. Failure to turn up for the Open Day will count against your individual mark. If for some unavoidable reason you will be unable to attend the open day you will need to provide extenuating circumstances evidence. The presentation of the stand will be marked. How well does it represent your work? Is it possible for a visitor to know what your product is and how it is supposed to work as well as to what extent you have achieved the original aims? The visitors should be able to ask any of the team about the project from any aspect – user testing, design strategy, and

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so on. The person they ask should be able – if appropriate – to demonstrate the working software. If some aspect of your project prevents you from fully demonstrating it then you should have video or other evidence of what it does and how it works.