



## **Project Document Requirements** (Software or Data Engineering)

Below is a draft structure for your project document submission. Sections in **bold font** are compulsory, however you may adjust any sub-sections, (remove or add as required,) to tailor it to your own work.

This document will be used to assess your project work and understand your approach to the project delivery. It will also provide an insight into your architecture, testing and implementation strategy as a team.

We expect this report to be concise, yet reasonably detailed, so that every key point is explained and covered. It should be no more than 5-7 pages (A4) long.

The report should include diagrams, and images with descriptive captions, where appropriate.

### **INTRODUCTION:**

- Aims and objectives of the project
- Roadmap of the report

### **BACKGROUND:**

- Any specific details about the project based on your chosen topic. For example, if it is a game, it would be good to understand the rules of the game and its logic; if it is a trading portfolio, then explain what analysis you are performing, (end of day profit/loss, historical price evaluation etc) and how it works; or if it is a restaurant booking system, then explain the rules / requirements that your team locked in for the system.

### **SPECIFICATIONS AND DESIGN:**

- Functional vs non-functional requirements
- Design and architecture

### **IMPLEMENTATION AND EXECUTION:**

- Development approach and team member roles
- Tools and libraries
- Implementation process (achievements, challenges, decision to change something)
- Agile development (did your team use any agile elements like iterative approach, refactoring, code reviews, etc)
- Implementation challenges

### **TESTING AND EVALUATION:**

- Testing strategy
- Functional and user testing
- System limitations

### **CONCLUSION**