NEA – Programming Project – Mark Grid

Analysis (10)	**Design (15)**	**Develop Coded Solution (15)**	**Testing to inform dev (10)**	**Testing to inform Evaluation (5)**	**Evaluation of solution (15)**
Describe how the problem will be solvable using **computational methods**	Break problems into **smaller problems** suitable for computational solutions, explaining and justifying your process.	Provide **evidence of each stage of the iterative development process** relating to the breakdown of the problem from the analysis stage and explaining what they did and justifying why.	Provided evidence of **testing at each stage of the iterative development process.**	Provided annotated evidence of **post development testing for function and robustness.**	Used the test evidence to cross reference with the success criteria to evaluate the solution explain how the evidence shows that the criteria have been fully, partially or not met in each case.
Identify **stakeholders** and explained how stakeholders will use your solution	Describe and justify selection of **algorithms** of your solution	Provided **evidence of prototype versions** of their solution for each stage of the process.	Provided evidence of any **failed tests and the remedial actions** taken with full justification for any actions taken.	Provided annotated evidence for **usability testing.**	Provided comments on how any partially or unmet criteria could be addressed in further development
Researched other solutions and how these help you design your solution	Describe and justify your selection of **usability features**	The solution will be well **structured and modular** in nature.			Provided evidence of the usability features justifying their success, partial success or failure as effective usability features.
Identified **essential features** of your solution	Identify and justify appropriate: - key variables - data structures - classes - validation	Code will be annotated to aid future maintenance of the system.			Provided comments on how any issues with partially or unmet usability features could be addressed in further development.

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Identified **limitations** of your proposed solution	Identify and justify **test data** to be used implementation	All **variables** and **structures** will be appropriately named.			Considered maintenance issues and limitations of the solution.
Specified and justified the requirements for the solution – including any **hardware or software requirements**	Identify and justify **further data** to be used in post development	There will be evidence of **validation** for all key elements of the solution.			Described how the program could be developed to deal with limitations and potential improvements / changes.
Identified and justified measurable success criteria of proposed solution	Break problems into **smaller problems** suitable for computational solutions, explaining and justifying your process.	The development will show review at all **key stages** in the process.			There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.