

WM164 Smart Solutions Development 1

Assignment No. 2 (20% of overall module mark)

Student ID: 1921983

Marking rubric

	0 – 40%	41 – 60%	61 – 80%	81 – 100%
Version control	Failed or limited attempt to use version control.	Access to source code repository provided. Some commits are visible.	Evidence of regular commits that show the development progresses at regular intervals. Meaningful commit messages.	Use advanced version control feature such as branching or merging to author software.
Functionality	Not attempted, or very limited attempts.	Fulfil basic functionality requirements. However, some important requirements are missing or are not fully functional.	Satisfy all function requirements completely. Some successful attempts to implement additional features.	Functionality optimized to achieve better performance.
Coding style	No evidence of understanding coding styles.	Follow basic conventions such as variable/method naming, and the coding style is consistent.	Code is clear and concise, the logic behind separating/joining different parts of the programme is easy to understand.	Fully documented and tested.
Programming language	Limited understanding of basic programming concepts.	Good understanding of basic programming concepts. A good mixture of different language components in the source code.	Good use of advanced language features such as OOP and memory management.	Make use of 3rd party libraries that not explicitly taught in the module.

Individual challenges

Challenge 3	Version control (10)	8
	Functionality (10)	7
	Coding style (10)	8
	Language (10)	8

Challenge 4	Version control (10)	8
	Functionality (10)	7
	Coding style (10)	7
	Language (10)	6

Challenge 5	Version control (10)	8
	Functionality (10)	6
	Coding style (10)	7
	Language (10)	7

Challenge 7	Version control (10)	8
	Functionality (10)	7
	Coding style (10)	7
	Language (10)	7

Total (100%): 73

Feedback

Challenge 3: Try to avoid end of line comments.
Challenge 4: Class should contain instance variables to represent states.
Challenge 5: No testing.
Challenge 7: Good use of string library.
All challenges: Variable names followed convention. Comments were clear. However, the use of the programmig languages can be improved by implementing advanced features.

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