CAB402 Programming Paradigms Assignment 1 - Assessment Criteria

Criteria		Standards			
		Poor (25%)	Fair (50%)	Good (75%)	Excellent (100%)
F# Implementation [20 marks]	Meets functional requirements correctly [10 marks]				o Unit Tests: / 1493
	Clear, Simple and Easy to Understand [4 marks]				 All function and variable names are carefully chosen Limited use of nested functions Follows "Single Responsibility Principle" – each function is simple and conceptually does only one thing. Avoids unnecessarily complex logic Documented with high level comments
	Follows Preferred Style [4 marks]				 Extensive us of higher order functions, lambda expressions and pipeline operator Pure Functional/Stateless
	Performance Improved via State [2 marks]				 The first implementation is pure A second implementation is provided that substantially improves performance.
C# Implementation [6 marks]	Meets functional requirements correctly [2 marks]				o Unit Tests: / 466
	Clear, Simple and Easy to Understand Source Code [2 marks]				 All classes, methods and variable names are carefully chosen All methods are short, simple and easy to follow. Do just one thing Don't make me think.
	Follows Object-Oriented Design Principles [2 marks]				 Classes abstract concepts in the real world that the application is modelling. Sub-typing used only if there is an is-a relationship. Strong encapsulation of data.
Comparison [4 marks]	Appreciates the strengths and weaknesses of each paradigm				 Insightful discussion demonstrating appreciation of both practical and conceptual/theoretical issues.