Student ID: 20214878 **Student Name: Alastair Kho**

	Attained	Available	
Demonstration (30)	**30**	**30**	***Implemented a Graphical Display of the graph***
No options – usage; interactive mode; Functional menu; Load input file; Node operations (insert & find); Node operations (update & delete); Edge operations (insert & find); Edge operations (update & delete); Parameter tweak (node/ edge); Display graph as adj matrix; Display world - need node, edge and feature counts; Save network; Generate routes; Sorted routes; Displayed routes (save); Simulation mode; Simulation mode reads files; Simulation mode saves ranked paths; Test 1 - single path (amazing); Test 2 - multiple paths (game of catz); Test 3 - Multiple targets (pac man); Test 4 - portals (snakes and ladders); Test 5 - missing file; Test 6 - invalid file			
Project Report (40)			***Need to discuss how and why of design choices***
User Guide	4	4	
Class Descriptions	4	4	
Justification	6	6	
UML Class Diagram	4	4	In most cases Aggregation arrows (hollow diamond) are preferred to Composition (filled).
Traceability Matrix	4	6	Think of this as the client wanting evidence of requirements completion - a lot more should be handled by test harnesses.
Showcase - intro	4	4	
Scenario 1 (1-setup,2-results)	3	3	
Scenario 2	3	3	
Scenario 3	3	3	
Conclusion & Future Work	2	2	
References	0	1	none provided
SUBTOTAL	**37**	**40**	
Implementation (30)			***(code quality rubric below)***
Code	15	15	Well formatted and readable code with lots of comments.
Tests	12	15	Excellent unit testing
Bonus	2		Graphical display and high standard of other outputs.
SUBTOTAL	**29**	**30**	
Overall deductions			
Does not compile/crashes	0	-10	
Didn't self-cite (each)	0	-5	
Use of built-in functions/ADTs	0	-20	
Undoc'd change to input files	0	-5	
Cover Sheet	0	-5	
README missing	0	-5	
Late penalty	0		
SUBTOTAL	**0**		
Total attained	96	100	**Comment: Excellent work!**
Total deductions	0		
FINAL SCORE	**96**	**100**	

CODE: 0-7: No comments, bad formatting, faulty code; 8-12: Some comments, consistent formatting, works; 13-15: Well commented, clear effort to make code readable/maintainable, high quality code

TESTS: 0-3 No or few tests ; 4-6 Tests the main functionality ; 7-9 Tests each method in each class; 10-12: test cases test for good/bad case; 13-15 Has technique for testing overall functionality