Cross Reference for Project 1

Chapter	Section	Topic	**Where in Code** Line number
2	2	cout	Used throughout entire project
	3	libraries	iostream, iomanip, cmath, cstdlib, fstream, string, ctime
	4	variables/literals	Lines 31-44
	5	Identifiers	Break, const, string, switch, unsigned, static, int, if, for, while, char, float, etc….
	6	Integers	Follows my variables
	7	Characters	Lines 38, 62, 122
	8	Strings	Lines 37, 54, 58, 225
	9	Floats No Doubles	Wins, losses, winRatio, loseRatio, winLost, plays
	10	Bools	Lines 61 and 70
	11	Sizeof *****	Achieved
	12	Variables 7 characters or less	Keep this consistent throughout project
	13	Scope ***** No Global Variables	Achieved
	14	Arithmetic operators	+ - * / %
	15	Comments 20%+	Used throughout, better displayed in pseudo code
	16	Named Constants	Lines 33-36 Min, max, black, red
	17	Programming Style ***** Emulate	Achieved
3	1	cin	Lines 54, 58, 67, 72, 111, 116, 130, 135, 144, 149, 199
	2	Math Expression	Lines 187 -189
	3	Mixing data types ****	Demonstrated through ratio usage
	4	Overflow/Underflow ****	
	5	Type Casting	Line 187
	6	Multiple assignment *****	Line 155
	7	Formatting output	Line 192
	8	Strings	Lines 37, 44, 54, 58, 225
	9	Math Library	Line 13
	10	Hand tracing ******	Achieved

4	1	Relational Operators	Lines 62, 68, 79, 87, 103, 112, 118, 122, 131, 140, 145, 152, 170, 179
	2	if	Lines 62, 79, 152
	4	If-else	Lines 95, 162, 183
	5	Nesting	Most of the project is different nested statements. Primarily demonstrated in the menu function.
	6	If-else-if	Line 122
	7	Flags *****	Line 183
	8	Logical operators	Lines 62, 68, 112, 122, 145
	11	Validating user input	Lines 68, 112, 131, 145, 183, 217
	13	Conditional Operator	Lines 68, 112, 131, 145
	14	Switch	Lines 200-218
5	1	Increment/Decrement	Lines 82-84, 98-100, 155-157, 165-167
	2	While	Lines 68-73, 112-117, 131-136, 145-150
	5	Do-while	Lines 74-118, 126-179,
	6	For loop	Lines 140-176
	11	Files input/output both	Lines 47-51, 223-230
	12	No breaks in loops ******	

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