Name: Bobby Headrick

Processor Name: 16 Bit Rock

Processor Description: 16 Bit CPU with Branch and Jump Instructions

Score Sheet

Feature	ExpectedValue	Expected Completion
Basic: ALU	10	3/16
Basic: R and I type	10	3/16
Basic: LW and SW	10	3/16
Basic: Assembler	20	3/17
Basic: Writeup	20	3/20
A la Carte (add rows below as necessary)		
16 Bit	5	3/16
BEQ	10	3/21
Carry Look Ahead Adder	10	3/21
Jump	10	3/21
Total	105	

Testing: For each feature listed above, explain HOW you'll test it, how you'll know it works, and how you'll prove (to yourself and to me) that it works.

ALU: Proper operation executed with corresponding Op code.
R and I type: Add, Addi, Sub, And, Or, etc. all output to the register correctly.
LW and SW: Access and write to memory correctly given hex instructions.
Assembler: Compare sample binary Instruction Words to output of assembler.
Writeup: Proofread to make sure it is human readable.
16-Bit: Aforementioned features work, and input and output of ALU is 16 bits.
BEQ: Check instruction memory for appropriate branch.
Jump: Check instruction memory for appropriate jump.