Computer Science 2
Fall 2017 – Dr. Gurka
August 28

Project #2 – What's My Grade?
Test Plan

Author: Dan Reuter
Tester:

Create more test cases, one with 100 semester points and the others with various maximums (which could be more than 100 points.). Each must have a different pattern of answers. Note that the test plan shows answers but not report format.

test case	**possible points so far** (input)	**student points so far** (input)	**max semester points** (input)	**points remaining** (calculated)	**A** (report)	**B** (report)	**C** (report)	**D** (report)	**F** (report)	**OK?**
1: "normal" grading scheme, 100 points maximum	80	72	100	20	possible: 18 pts. needed	possible: 8 pts. needed	guaranteed	N/A	N/A	
2: student currently failing	50	28	100	50	impossible	impossible	possible 42 pts. needed	possible 32 pts. needed	guaranteed	
3: student can't pass	70	34	75	5	impossible	impossible	impossible	impossible	guaranteed & failure message	
4: Day 1 of Semester	0	0	100	100	Possible 90 pts. Needed	Possible 80 pts. Needed	Possible 70 pts. Needed	Possible 60 pts. Needed	Guaranteed	
5: Over the Limit?	130	160 I DIDN'T	150	20 THINK	Guaranteed ABOUT	N/A THIS!	N/A	N/A	N/A	
6: 'That' Student at the second to last day	45	42	50	5	Possible: 3 pts. Needed	Guaranteed	N/A	N/A	N/A	

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Author: Sean Smith
Tester:

Create more test cases, one with 100 semester points and the others with various maximums (which could be more than 100 points.). Each must have a different pattern of answers. Note that the test plan shows answers but not report format.

test case	**possible points so far** (input)	**student points so far** (input)	**max semester points** (input)	**points remaining** (calculated)	**A** (report)	**B** (report)	**C** (report)	**D** (report)	**F** (report)	**OK?**
1: student can pass	60	52	100	40	possible: 38 pts. needed	possible: 28 pts. needed	possible: 18 pts. needed	possible: 8 pts. needed	guaranteed	
2: student has passed	70	70	100	30	possible: 20 pts. needed	possible: 10 pts. needed	guaranteed	n/a	n/a	
3: student can pass	50	25	200	150	impossible	possible: 135 pts. needed	possible: 115 pts. needed	possible: 95 pts. needed	guaranteed	
4: student has failed	80	20	100	20	impossible	impossible	impossible	impossible	guaranteed FAIL MSG	
5: student can pass	40	30	100	60	possible: 60 pts. needed	possible: 50 pts. needed	possible: 40 pts. needed	possible: 30 pts. needed	guaranteed	
6: student has failed	350	200	400	50	impossible	impossible	impossible	possible: 40 pts. needed	guaranteed	

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Author: Zachary Anguiano
Tester:

Create more test cases, one with 100 semester points and the others with various maximums (which could be more than 100 points.). Each must have a different pattern of answers. Note that the test plan shows answers but not report format.

test case	possible points so far (input)	student points so far (input)	max semester points (input)	points remaining (calculated)	A (report)	B (report)	C (report)	D (report)	F (report)	O
1. "normal" Grading scheme, 100 points Maximum	80	72	100	20	possible: 18 pts. needed	possible: 8 pts. needed	guaranteed	N/A	N/A	
2. student currently failing	50	28	100	50	impossible	impossible	possible 42 pts. needed	possible 32 pts. needed	guaranteed	
3. student can't pass	70	34	75	5	impossible	impossible	impossible	impossible	guaranteed & failure message	
4 Student will inevitably pass with an A	80	79	85	1	guaranteed	N/A	N/A	N/A	N/A	
5 Student can't get more than a C	60	36	90	30	impossible	impossible	possible 27 pts. needed	guaranteed	guaranteed	

I LIKE THAT HE USED ~~HOW~~ RANDOM NUMBER AS OPPOSED TO MULTIPLES OF 5's & 10's

Student currently has a B	70	60	80	10	impossible	possible: 4 pts. needed	guaranteed	N/A	N/A	