ENGR142 Grade Report: C 3 PA

Name	Kathryn Atherton	**Total Points Earned**	17
Team	45	**Total Points Possible**	20
Grader	Peter Jones	**Percentage Earned**	85%

Grading System Message(s)	Individual Assignment Grade

Does Flow Chart:	**Pass**	**Part**	**Fail**
Correctly use standard shapes and appropriate scope (general vs. explicit)?	**1**	0.5	0
Clearly define logic of overall problem?	**1**	0.5	0
Provide language independent logic to be followed in order to obtain desired result including explicit representation of repetition structures and conditional structures (if needed)?	**1**	0.5	0
Subtotal	**3 of 3**		

Does program:	**Pass**	**Part.**	**Fail**
Have correct filename?	**0**	NA	-0.5
Have no code standard issue?	0	NA	**-0.5**
Calculate k_a based on an input from user, i.e. G, M, H, and A with a conditional structure?	**2**	1	0
Calculate k_b based on user input for diameter of the shaft, i.e. d value with a conditional structure?	**2**	1	0
Calculate k_c based on user input for the action condition upon shaft, i.e. Bending or Torsion with a conditional structure?	**2**	1	0
Calculate k_e based on a user input for reliability level with a conditional structure?	2	**1**	0
Ask user for inputs of surface condition, d, unit of d, loading condition and realiability level?	**2**	1	0
Ouput the endurance limit onto the screen?	**2**	1	0
Subtotal	**10.5 of 12**		

Test Case				
Input	**Output**	**Pass**	**Part.**	**Fail**
M 5.145 I B 50	The estimated endurance limit for this shaft is 22.691 ksi.	**1.5**	NA	0
A 14.191 M T 99.9	The estimated endurance limit for this shaft is 8.455 ksi.	1.5	NA	**0**
G -3.152 I B 90	The diameter you specified is invalid. Terminating program. (or similar)	**2**	NA	0
	Subtotal	**3.5 of 5**		

Total	**17 of 20**

Grader Comments
In the last reliability check, a dash was used instead of an equal sign and it messed up the second test. Also, when running an error check, if an error is caught, then the program should terminate.