Step 1: **You have to compute the count-total which will be used to define the complexity of a project. You will do that by completing the table below:**

Information Domain Values

Measurement Parameter	Count		Simple ◉	Average ○	Complex ○		Total
Number of user inputs	3	X	3	4	6	=	9.00
Number of user outputs	0	X	4	5	7	=	.0
Number of user inquiries	1	X	3	4	6	=	3.00
Number of files	1	X	7	10	15	=	7.00
Number of external interfaces	0	X	5	7	10	=	.0
Count=Total							19.00

Count Total

Step 2: **You have to find the complexity adjustment values based on responses to the questions below:**

Complexity Weighting Factors
// heading of the second table Rate each factor on a scale of 0 to 5:
(0 = No influence, 1 = Incidental, 2 = Moderate, 3 = Average, 4 = Significant, 5 = Essential):

Question	0	1	2	3	4	5
1. Does the system require reliable backup and recovery?	◉	○	○	○	○	○
2. Are data communications required?	○	○	○	○	◉	○
3. Are there distributed processing functions?	◉	○	○	○	○	○
4. Is performance critical?	○	○	◉	○	○	○
5. Will the system run in an existing, heavily utilized operational environment?	◉	○	○	○	○	○
6. Does the system require on-line data entry?	○	○	○	○	◉	○
7. Does the on-line data entry require the input transaction to be built over multiple screens or						

operations?	○	◉	○	○	○	○
8. Are the master file updated on-line?	◉	○	○	○	○	○
9. Are the inputs, outputs, files, or inquiries complex?	◉	○	○	○	○	○
10. Is the internal processing complex?	◉	○	○	○	○	○
11. In the code designed to be reusable?	◉	○	○	○	○	○
12. Are conversion and installation included in the design?	◉	○	○	○	○	○
13. Is the system designed for multiple installations in different organizations?	◉	○	○	○	○	○
14. Is the application designed to facilitate change and ease of use by the user?	◉	○	○	○	○	○
Total 11.00						

Show Total of weighting Factor

The Function Points is: Show Function Points 14.44

Step 3: **You have to find LOC (Lines of Code), and you do this by choosing a programming language that you will using when developing a project:**

Programming Language	LOC/FP (average)	Select
Assembly Language	320	○
C	128	○
COBOL	105	○
Fortran	105	○
Pascal	90	○
Ada	70	○
Object-Oriented Languages	30	○
Fourth Generation Languages (4GLs)	20	○
Code Generators	15	◉
Spreadsheets	6	○

Graphical Languages (icons)	4	○

LOC/F P: Show LOC/FP 216.60

Step 4: **Final Step is to select complexity of the software project:**

Software Project	a_b	b_b	c_b	d_b	Select
Organic	2.4	1.05	2.5	0.38	◉
Semi-detached	3.0	1.12	2.5	0.35	○
Embedded	3.6	1.20	2.5	0.32	○

Calculate Effort and Duration

Effort (E) = $a_b(KLOC)^{b}_{b}$ = 48 **Duration (D) = $c_b(E)^{d}_{b}$ =** 1.89

Reset Data