

EBU4201 Mini-Project Marksheet 2023

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Section	Marks	
	Awarded	Total
<u>Task1 - Basics:</u>		
Something has been handed in.	1	1
Main application is called <i>SumItUp.java</i> .	1	1
Files compile from the command line.	1	2
Files run from the command line.	1	1
	4	5
<u>Task1 - GUI Design:</u>		
A top level component of some sort displays (e.g. a <i>JFrame</i>).	1	1
The displayed top level component has the title "Welcome to Sum It Up!".	1	1
All components in Figure 1 of the handout are displayed (in any layout).	2	2
A maximum of 4 Rabbits are displayed per row.	0	1
Each text field is wide enough to display at least 2 characters.	1	1
The 'plus sign' is vertically centered between Rabbits on either side, even when the GUI is resized.	1	1
Button 'Check!' and 'plus sign' do NOT resize when the GUI is resized.	2	2
A maximum of 3 Rabbits are displayed per row not 4 by default.	8	9
<u>Task1 - Functionality:</u>		
If you click 'Check!' with no text entered, then no errors are generated.	1	1
Enter correct values and click 'Check!'. a) Text changes as appropriate	2	2
b) Number of displayed Rabbits changes.	3	3
Enter an incorrect operand or result and click 'Check!'. a) Text changes to 'Wrong! Try Again!'.	1	1
b) No. of Rabbits does NOT change.	1	1
Minimum number of Rabbits per operand is 1, while the maximum number is 4.	1	1
No errors are thrown at any point.	1	1
Every time the application is started, a random number of Rabbits is shown.	1	1
	11	11
<u>Task 1: Class Design and coding practice:</u>		
Code has been split up sensibly - not in one large method.	1	1
Replication of code has been kept to a minimum.	1	1
Code follows Java naming conventions:		

Intercapped method/variable/class names (i.e. <code>setMyInstanceVariable()</code>)	1	1
Correct capitalisation for classes, methods and variables	1	1
Correct code spacing (tabbed in code, etc).	1	1
	5	5
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<u>Task 2:</u>		
Input values are restricted in a user-friendly manner.	3	3
Individual components do not resize when GUI is resized.	1	1
Only possible inputs are 1-10 for the operands; 2-20 for the result.	1	2
Correct & incorrect inputs are handled as expected.	3	3
No errors are thrown at any point.	1	1
Result can be set up as 1	9	10
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<u>Documentation:</u>		
User Manual has been handed in.	1	1
User Manual describes how the program should be setup and run from the command line.	2	2
Javadoc comments are present in the code (especially in <i>Task1</i>).	2	2
Generated Javadocs (HTML) have been handed in.	1	1
Javadoc comments have been done for all the required levels (i.e. <i>class</i> , <i>method</i> , <i>constructor</i> , etc).	1	1
Javadoc comments are adequately descriptive.	1	1
Internal comments have been provided where necessary.	1	1
Internal comments are not cluttering the code (e.g. comments on each line).	1	1
	10	10
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<u>Extra Credit:</u>		
Number of Rabbits varies between 1 and args[0].	1	1
Maximum value allowed for args[0] is 25.	0.5	0.5
Maximum number of Rabbits per row is 5.	0.5	0.5
Correct & incorrect inputs are handled as expected.	0.5	0.5
Application gracefully terminates (i.e. displays message) if no valid argument is given.	0.5	0.5
The User Manual has been updated accordingly and there are both adequate Javadoc and internal comments in this new version of the	1	1
Rest of the application still functions as before.	1	1
	5	5
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Overall comments:		
Good attempt. Complete most of the requirements.		

TOTAL	50	50