

EBU4201 Mini-Project Marksheet 2024

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Section	Marks	
	Awarded	Total
<u>Task1 - Basics:</u>		
Files compile from the command line.	1	1
Files run from the command line.	1	1
	2	2
<u>Task1 - GUI Design:</u>		
A top level component is displayed (e.g. a <i>JFrame</i>).	1	1
The top level component has the title "SuperHero Times Tables".	1	1
All components are displayed exactly as in Figure 1.	0	1
The text field is wide enough to display at least 2 characters.	1	1
Button 'Start' and the image do NOT resize when the GUI is resized.	1	2
The superhero picture does not exist in the GUI.	4	6
2		
<u>Task1 - Functionality:</u>		
If you click 'Next' with no text, no errors are generated AND 'Product' does not change.	2	2
Product values change as specified in Task 1.	2	2
'Answer' is adjusted depending on right/wrong answers.	2	2
For each click of 'Next', a new product appears and the text-box is cleared.	2	2
Rating' is adjusted at the end of a round, as specified in Task 1.	1.5	2
Button changes to 'Start' at the end of a round, and user is able to repeat.	1	1
No errors are thrown at any point.	1	1
The rating is still unchanged until the next round ends.	11.5	12
<u>Task 1: Class Design and coding practice:</u>		
Code has been split up sensibly, e.g. 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. <i>setMyInstanceVariable()</i>).	1	1
Correct capitalisation for classes, methods and variables	1	1
Correct code spacing (tabbed in code, etc).	1	1
	5	5
<u>Task 2:</u>		

Drop-down list is replaced by another appropriate component(s), e.g. check-box	2	2
User can select any number of multiplicands between 1-12 inclusive.	1	1
Product questions are presented as specified in Task 2.	0	3
User is alerted if no multiplicands are selected.	2	2
Answer, rating etc. work correctly, similar to Task 1.	0	4
Layout is reasonable and user-friendly.	0	2
No errors are thrown at any point.	0	1
The superhero picture does not exist in the GUI. When after the user is alerted if no multiplicands are selected, re-select a number and click "start" button, the question will not show and inputting a number in the textbox and clicking "next" will cause errors.	5	15
Documentation:		
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
Extra Credit:		
Label 'Answer' displays a time value at the end of a round.	0.5	0.5
The time taken for a round is calculated and displayed accurately.	2	2
Text-field is set in focus as specified in Extra Credit.	1	1
There are both adequate Javadoc and internal comments in this new version of the program.	1	1
Rest of the application still functions as before with no errors thrown.	0.5	0.5
	5	5
Overall comments:		
Your work was okay! First, in the GUI was not designed well, and all components are not displayed properly as requested. Second, most of the functions of Task 1 and Task 2 were successfully completed. You would receive extra credits. However, it is still		

necessary to take everything into consideration when designing programs. After all, users think differently as developers, and users will do something different with the programs. Third, the user manual was helpful and Javadocs and internal comments were also completed and effective.		
TOTAL	42.5	50