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[Main Report]

TASK A : Building graphic user interface(GUI) with event handlings

Stage 1 : Project requirements, class diagrams and GUIs.

1.1 Analysis of Kid`s Mathematics Application Program Requirements

Summarize the requirements in a tabular format or you can use the IPO table (input, processing, output) table

No specific format on the table

The main purpose for this section is for you to clary on what are the requirements/functions for the program

1.2 Class Diagrams

Class diagrams for your project. No need to explain here. Explain later in Stage 4.

Class diagram with proper format. Caption the diagram

1.3 Sketch of GUIS

Sketch can be done using manual drawing, (scan and place the images here), or you can use Word application or just digital drawing of your GUI sketches.

No need to explain here. Explain later in Stage 4

Stage 2 : A Basic Working Version

Show series of screenshots for your program. (main function)

Also screenshots for any error checking for bad input.

Caption the diagram. No explanation needed. Further explain in Stage 4

Stage 3 : Improving your code and innovations

Highlight the improvement or innovation that you have added to the project.

Screenshots the UI and properly caption.

Stage 4 : Final Report

4.1(a) Introduction of the prototype model

Further explain your Stage 1 here. Eg: What is the system is about? Who is the potential user?

4.1(b) Further explain your UML class diagram and designs for the GUIs. You may include more detail screenshot and explanations. *Eg: Why you design the system in such way?*

4.1(c) Explain the program and include the code snippet for the main function. Eg : how the program randomize numbers, error checking code, basic code for creating the gui, etc etc

4.1(d) You can divide this section by discussing the 2 components separately

i. Faults & Failures

Report on any failures of executing the project / unable to implement any of the features

Or any difficulties on the implementation of the system, how you and your team work on solving the error/ challenges, etc etc..

ii. Strengths of your system

Highlight the project benefits/ advantages that it have/ the positive side of the system

4.1(e) Conclusions

Include word count at the end of Stage 4(right align)

Word count : ????

Task B (Individual)- Testing and Demonstration (30%)

Test Plan

Select one core function only for each team member/one core function

Eg: Addition Function, Enter Your Name Function or Multiplication Function

Produce your test plan using the BVA table (black box testing) or the MCC table (for the white box testing)

Test Data

Produce your test data base on your test plan

Example

Number 1	*Number 2*	*Output*
5	*4*	*9 is correct.*
[any number]	*[any number]*	*[0] no answer provided*
[any number]	*[any number]*	*Invalid input*

Self-Reflection

What do you learn from the project? What do you understand? Difficulties and challenges? How you overcome difficult situations? Etc…

[Rubrics] – Last 2 pages