Source control

https://github.com/Snolfyness/IMF01B1_GROUP_PROJ

Input

- Choice of topic input box
- o Choice of learning material input box
- O Choice of quiz input box

Output

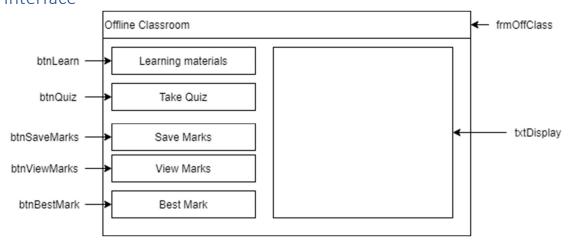
- Learning materials for subject topic multiline textbox
- Marks for quizzes multiline textbox

Events	Action
btnLearn	Asks the user what topic they want to learn
	Display Learning materials
btnQuiz	Generate Questions and answers
	Display questions
	Read user inputted answers
	Display whether answer is correct
	Show score out of 10

Variables

- numDays Integer
- numPuppies Integer
- PriceperKilo double
- Puppies() puppy
- d Integer
- p Integer

Interface



Algorithm

btnLearn

Read in topic choice

Display Learning Material

btnQuiz

Generate random questions with answer

for each question

display problem

read in input

if answer is correct

display correct

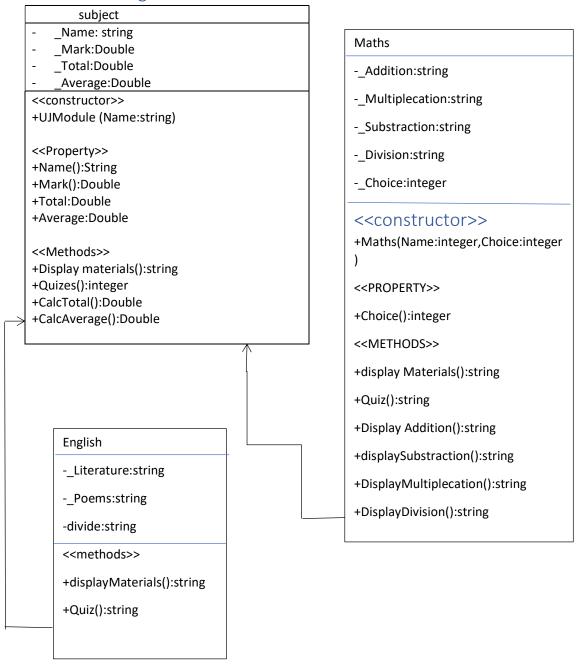
else

display correct answer

end if

end for

UML Class Diagram



Mathquestion	■ Englishquestion
Question: string Answer: double mark: integer	quesiton: string answer: integer mark: integer
< <constructor>></constructor>	< <constructor>></constructor>
Mathquestion(mark; integer)	englishquestion(mark:integer)
< <property>></property>	
+mark: integer	
+question: string	
+answer: integer	< <property>></property>
	+mark: integer
< <methods>></methods>	+question: string
+generateaddition	+answer: integer
+generatesubtraction	+aliswer, integer
+generatemultiplication	< <methods>></methods>
	+displayquiz: string
	+checkanswer: boolean

Test data

Input for English quiz

Question1 = 1

Question 2 = 1

Question 3 = 2

Question 4 = 2

Output for English quiz

Results:

- 1) Correct
- 2) Incorrect
- 3) Incorrect
- 4) Incorrect Marks = 1 / 4

Input for Math Quiz

Answers:

Question1 = 18

Question 2 = 1770

Question 3 = 23

Question 4 = 70

Question 5 = 23

Question 6 = 900

Question 7 = 1

Question 8 = 105

Question 9 = 42

Question 10 = 100

Output for Math Quiz

Marks = 7 / 10