

Source control

https://github.com/Snolfyness/IMF01B1_GROUP_PROJ

Input

- Choice of topic – input box
- Choice of learning material – input box
- Choice of quiz – input box

Output

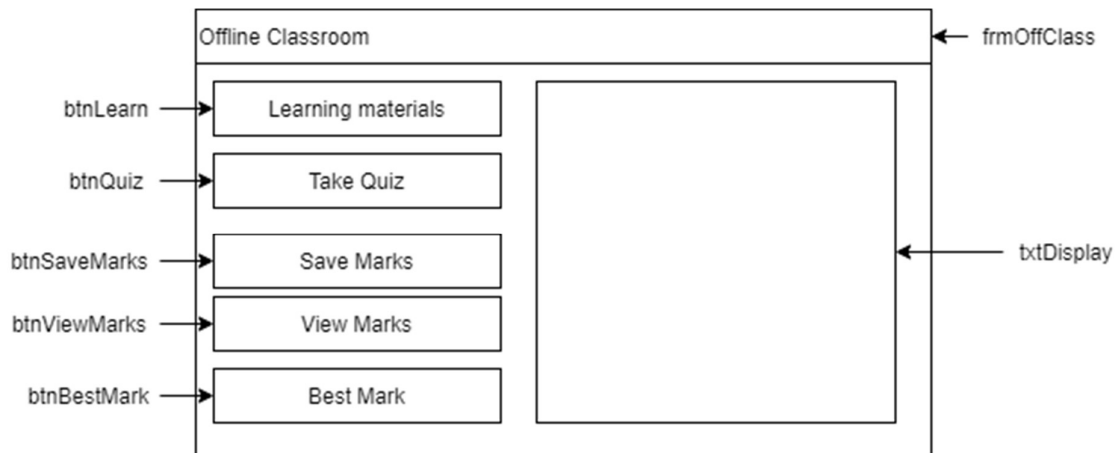
- Learning materials for subject topic - multiline textbox
- Marks for quizzes – multiline textbox

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

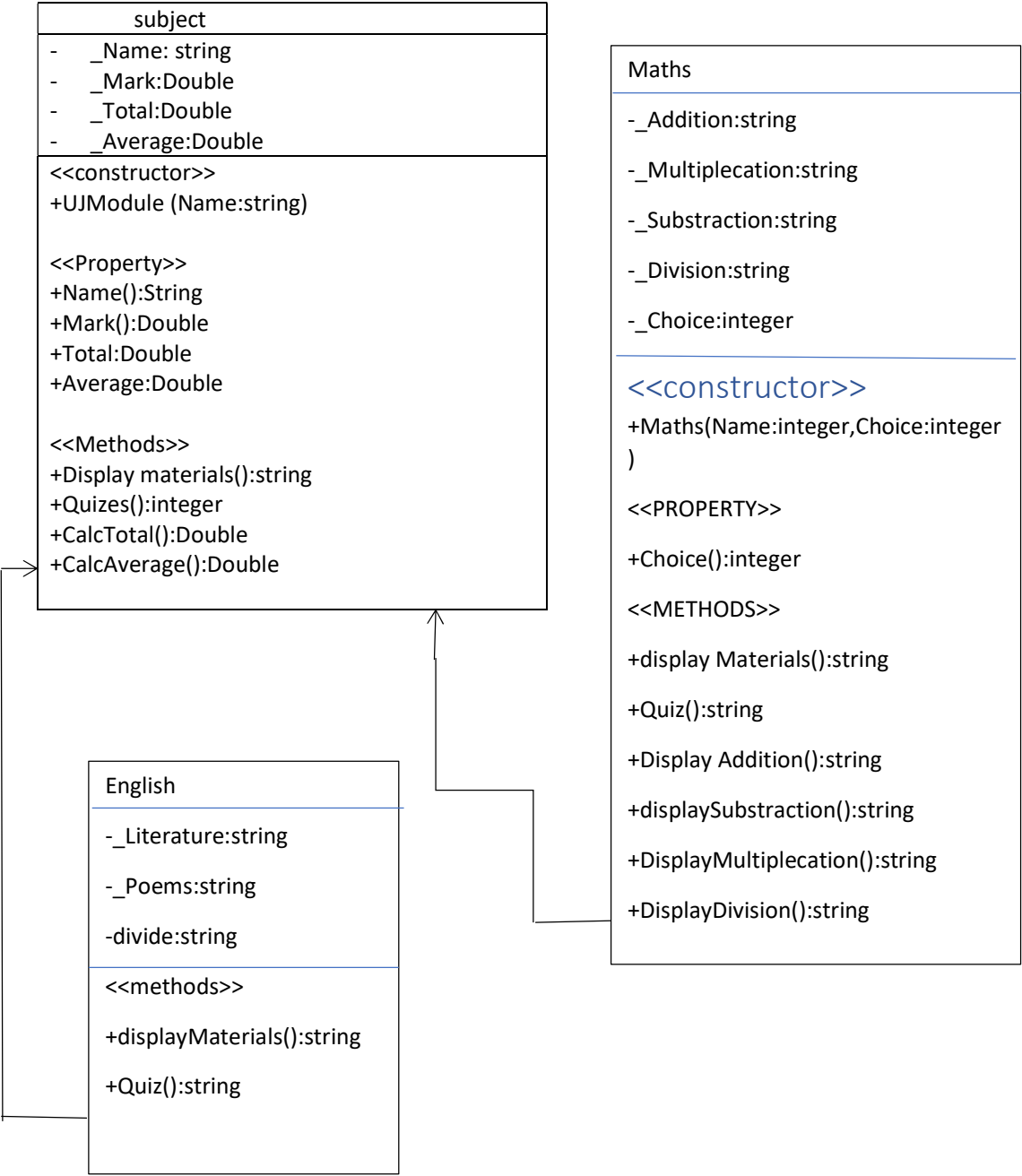
else

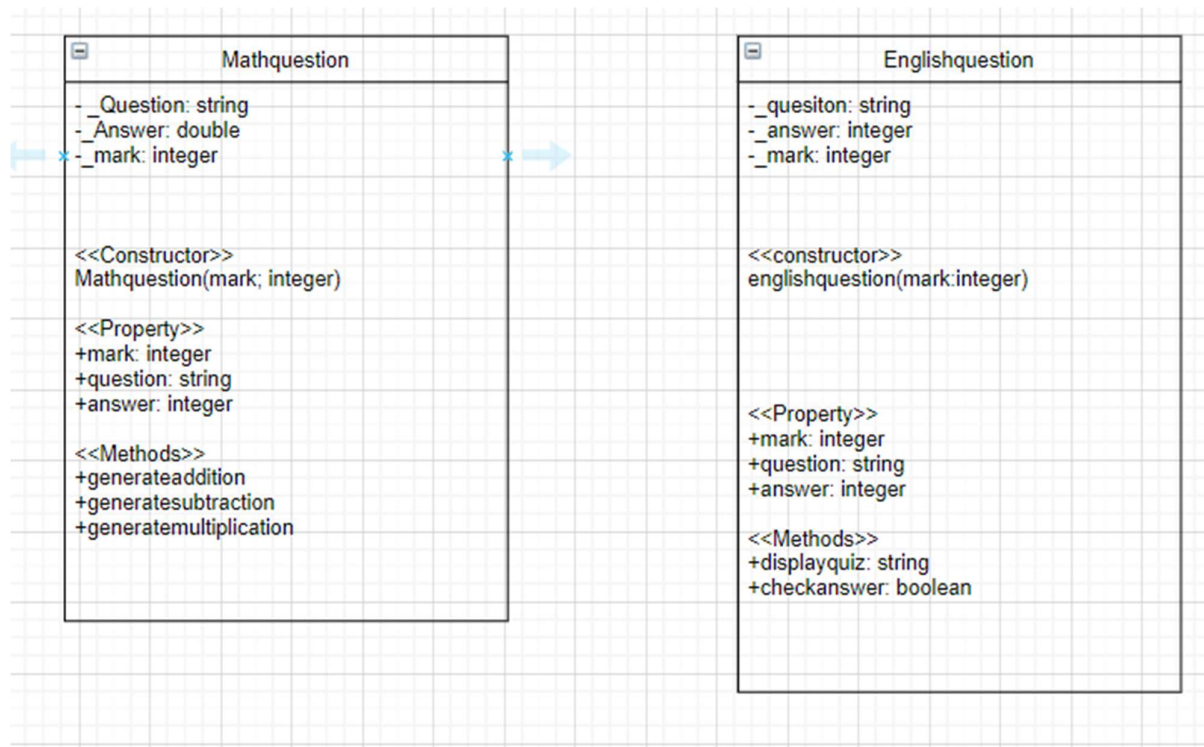
display correct answer

end if

end for

UML Class Diagram





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