STUDENT 2

Question 1. Explain how you used or could have used feedback, testing, or reflection in the development of your program.

I used feedback, testing, and reflection several times. Everytime I run my code, I can see the feedback from the coding website that whether I have a syntax error or other kinds of errors. Then will have a reflect on what's my weakness and what's wrong with code by myself. I refine my code and started to test it again and again until there isn't any error in my code. And finally the code is more refined than the origin one.

Mark point. 0

The student's answer does / does not earn this mark because:

Too vague. Syntax error, what is fixed. what

To earn this mark the answer needed to include:

Ex. forgot to write a Colon. & added.

2 (a) Consider the first conditional statement included in the Procedure section of your Personalized Project Reference. Write an equivalent Boolean expression for this conditional statement.

if

```
def evaluateDrink(flavorIndex):
 for i in range(len(app.names)):
```

Mark point. 0

The student's answer does / does not earn this mark because:

it's not conditional nor boolean.

To earn this mark the answer needed to include:

Not (i != flavorIndex)

2 (b) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Identify a strategy, other than using test cases, that you can use to test the correctness of your procedure. Describe how you would use this strategy.

I can run the code and see if my intention of my procedure is fulfilled. For example, I can intentionally press the button that doesn't match with the order index and see the score and label appeared. If my score remains the same and there is a label of "wrong! It was "+correct flavor, then my procedure is correct

Mark point. 0

The student's answer does / does not earn this mark because:

It repeats the method in the QS

To earn this mark the answer needed to include:

Other methods like traceable, debugging, visualization

2 (c) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Procedures are often used to organize larger problems into subproblems or smaller tasks. Identify the subproblem being solved or task that is being accomplished by your procedure. Explain how the procedure is used to accomplish the overall functionality of your program.

When evaluating the drinks, I can finish large problems, which is evaluating drinks, into subproblems: check whether the button pressed is in the order index, if it's in the orderindex then the score will increase by one and there will be a text of "correct" appreaed on the screen; if it's not, then the score will remain the same and there will be a text of "Wrong! It was"+correct flavor appreaed on the screen. My procedure will simplify my code from having too many repeated lines. It is used to check whether the button pressed matched with orderIndex and show the score to the player.

Mark point. 1

The student's answer does / does not earn this mark because:

looks reasonable.

To earn this mark the answer needed to include:

3/4 grade by [redacted]

STUDENT 5

Question 1. Explain how you used or could have used feedback, testing, or reflection in the development of your program.

I could use the feedback from my users to develop my code. For example, if the students think drawing the pink caterpillar is better for relaxing the mood, then I will change the color of my caterpillar into pink from green.

Mark point. ✓ 1/1

The student's answer does / does not earn this mark because:

It answers the question, the example lists a possible output, ~~that can~~

To earn this mark the answer needed to include:

2 a) Consider the first conditional statement included in the Procedure section of your Personalized Project Reference. Write an equivalent Boolean expression for this conditional statement.

We assign the condition " x>50" to a variable A. Then consider the boolean expression as A. Then if the condition is true, the code segment of " x=x+5;y=y-5" will be executed.

Mark point. 1

The student's answer does / does not earn this mark because:

It Boolean expression is given, and an example is given

To earn this mark the answer needed to include:

2 (b) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Identify a strategy, other than using test cases, that you can use to test the correctness of your procedure. Describe how you would use this strategy.

I will input any x that is bigger than 50 and located relatively right at the screen to see whether the caterpillar I draw is heading right and top. If it is, my procedure is correct.

Mark point. 0

The student's answer does / does not earn this mark because:

The question require a strategy other than using test cases.

To earn this mark the answer needed to include:

~~the~~

2 (c) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Procedures are often used to organize larger problems into subproblems or smaller tasks. Identify the subproblem being solved or task that is being accomplished by your procedure. Explain how the procedure is used to accomplish the overall functionality of your program.

The subproblem being solved is drawing the caterpillar in my procedure identified in part(i). The procedure which serves as the function to draw the caterpillar can be called by the mouse click, which is the procedure identified by part(ii).Then it can help to accomplish the overall functionality which is to relax the mood of the students by drawing a caterpillar.

Mark point. 1

The student's answer does / does not earn this mark because:

To earn this mark the answer needed to include:

1 /4.

STUDENT 3

Question 1 Explain how you used or could have used feedback, testing, or reflection in the development of your program.

After the user use the program, they give me some feedback like to fix some bugs, or add some new function that user can use to improve their experience, like to draw the curves in the board. Moreover, I will use the testing to fix some bugs that I haven't notice before.

Mark point. 1

The student's answer does / does not earn this mark because:

The answer identified a benefit of using feedback (adding helpful features that were missed by the programmer) and testing (finding bugs)

To earn this mark the answer needed to include:

.....

.....

2 (a) Consider the first conditional statement included in the Procedure section of your Personalized Project Reference. Write an equivalent Boolean expression for this conditional statement.

if len(points)%2 ==0 and len(points)>=2

~~if len(point)>=2~~

Mark point. 0

The student's answer does / does not earn this mark because:

The answer merely restates the code without modification. Additionally, the wrong statement was identified

To earn this mark the answer needed to include:

An equivalent Boolean expression, such as `not (len(points)%2 != 0 or len(points)<2)`

2 (b) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Identify a strategy, other than using test cases, that you can use to test the correctness of your procedure. Describe how you would use this strategy.

the user's clicks can help me to test. if the user click once in the board, there will be nothing happend if only base on this procedure. But if the user click twice in the board, then the len(points) is equal to 2, and len(points)%2 is 0, so there will be a line connect to the two points. And moreover, there won't be line connect to the second point and the third point, because 3%2 is not 0.

Mark point. 0

The student's answer does / does not earn this mark because:

this is from the first section, not the procedure

To earn this mark the answer needed to include:

explain by including the example in the procedure section

2 (c) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Procedures are often used to organize larger problems into subproblems or smaller tasks. Identify the subproblem being solved or task that is being accomplished by your procedure. Explain how the procedure is used to accomplish the overall functionality of your program.

the procedure is used to determine whether or not there will be lines show between the points. And it will be used when user click on the drawing board, to accomplish the function that it do.

Mark point. 0

The student's answer does / does not earn this mark because:

wrong description of the specified procedure

To earn this mark the answer needed to include:

rightfully specify the procedures functionality (color selection of the line)

3/4.

STUDENT 1

Question 1: Explain how you used or could have used feedback, testing, or reflection in the development of your program.

My program is a game, so I asked my friend to play this game to test different function and give me advise after I finishing the whole progam. If the feedbask is about some improvement for the extra functions, such as asking for different color of basket, I will leave these suggestions away since they should only be consider after I' m sure that every basic logic/code is correct. If the feedback is for some baskic errors, such as different words' size, I will check my code and change them immediately.

Mark point. 1

The student's answer does / does not earn this mark because:

Correctly explained.

To earn this mark the answer needed to include:

2(a) Consider the first conditional statement included in the Procedure section of your Personalized Project Reference. Write an equivalent Boolean expression for this conditional statement.

My first conditional statement is ' if objetc hits bakest:', I could use 'Not' to write an equivalent Boolean expression: 'if NOT (objects centerY > 400):' since if the basket ctach the objects then the objects won't fall out of the screen

Mark point. 1

The student's answer does / does not earn this mark because:

NOT (objects centerY > 400): ← is an equivalent Boolean expression.

To earn this mark the answer needed to include:

2(b) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Identify a strategy, other than using test cases, that you can use to test the correctness of your procedure. Describe how you would use this strategy.

I could add the label to all part of my code lines, so when I run the code by my own I could identify which code is called/used an is them appropriate or not. For example, I could add a label after adding score for catching fruits: 'plus 1 score for catching fruits'.

Mark point.  0.

The student's answer does / does not earn this mark because:

Because. It's not communicating. It's correctly.

To earn this mark the answer needed to include:

2(c) Consider the procedure identified in part (i) of the Procedure section of your Personalized Project Reference. Procedures are often used to organize larger problems into subproblems or smaller tasks. Identify the subproblem being solved or task that is being accomplished by your procedure. Explain how the procedure is used to accomplish the overall functionality of your program.

My procedure change scores and control objects' falling speed. My procedure is an abstraction, could be used for two list: fruits and bombs. First, it controls objects' falling speed. When objects hits basket, scores are update and the objects are reset. Other objects will also be reset on the top of the screen when they are falling out of the screen. For different paramater, the list and change in score are different.

Mark point. 1

The student's answer does / does not earn this mark because:

To earn this mark the answer needed to include: