

A2 Marking Scheme

Style:

Comment at the top of each class with UPI and a description of the class
Good variable names
Good method names
Correct indentation
Uses helper methods to simplify and structure the code

Stage 1:

UPI is displayed in the title bar

Stage 2:

The inheritance hierarchy is correctly defined.
No repeated same draw and contains methods in the subclasses.
Users should not be able to change a MovingSquare to a rectangle by changing the width/height text fields

Stage 3:

Two buttons have been added in the program.
New shape is drawn with the current border colour and fill colour.
Border and/or fill colours of all selected shapes change according to the colour chosen from the dialog box.
Button text colours change according to the colour chosen
The foreground colour of the button and the current fill/border colour remain unchanged when the user presses the cancel button.

Stage 4:

The MovingMessage class contains some code and compiles.
An image icon for MovingMessage has been added to the shape combo box correctly.
A text field has been added to the Panel for entering a message.
The structure of the MovingMessage class is defined correctly.
A Message (String) should be declared as private in the MovingMessage class.
The constructors in the MovingMessage class are defined correctly.
The instance methods in the MovingMessage class are defined correctly.
The MovingMessage objects are created, moved and displayed correctly.
The message is displayed at the centre of the bounded rectangle.
Users should be able to change the properties of a MovingMessage shape.

The MovingOutline class contains some code and compiles.
An image icon for MovingOutline has been added to the shape combo box correctly.
A control has been added to the Panel for setting the line width.
The structure of the MovingOutline class is defined correctly.
A line width variable (float) should be declared as private in the MovingOutline class.
The constructors in the MovingOutline class are defined correctly.
The instance methods in the MovingOutline class are defined correctly.
The MovingOutline objects are created, moved and displayed correctly.
Users should be able to change the properties of a MovingOutline shape.
The Stroke object has been reset back to normal after drawing a MovingOutline object

Stage 5:

An image icon for your own designed MovingPath has been added to the path combo box correctly.
Your own designed MovingPath class contains some code and compiles.
The structure of your own designed MovingPath is defined correctly.
All instance variables are declared as private in your own designed MovingPath.
The constructor in your own designed MovingPath class is defined correctly.
The move method in your own designed MovingPath class is implemented correctly

Bonus Section:

Adding your own feature to the bouncing program

The feature should be non-trivial to implement and reasonably interesting

The added feature is implemented correctly.

Your assignment includes a very short overview of how you implemented the added feature

A2.txt:

A Text file is included in your submission

The text file contains your name and UPI

The text file contains feedback about this assignment.