

Mr. Giansante



Visual Basic

Paint

August 2016

Paint

Difficulty Level:

Beginner
Intermediate
Advanced

Help References:

PictureBox Control
Graphics Commands

Your Paint program should include the following tools (minimum):

- Freehand Drawing
- Line
- Rectangle
- Filled Rectangle
- Circle
- Filled Circle

These options should be selectable using a toolbar. You can simulate a toolbar using Button controls.

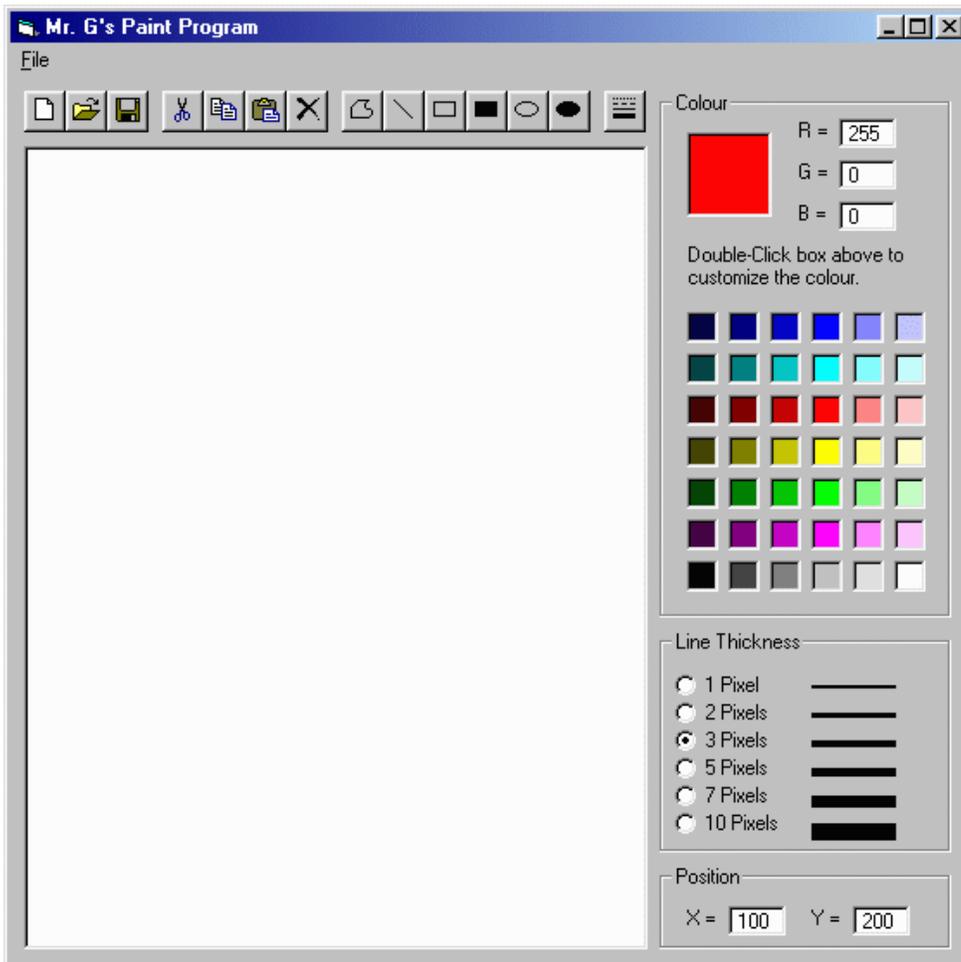
The user should be able to select a colour by clicking on a colour in the preset palette or by double-clicking on the large colour box. If the user double-clicks on the large colour box, then the ColorDialog control should be displayed.

In addition, the user should be able to copy their picture to the system Clipboard.

Design a Visual Basic program which simulates a simple Paint Program. The program should have a similar look and functionality as Window's Paint.

The screen capture below is only a suggestion ... feel free to design the user interface as you see fit. For example, you may want to use a ComboBox control for the Line Width rather than OptionButtons.

The drawing area should be a fixed size, with a white background.



Paint

Please fill out all the information in this column using a pen before getting this assignment marked.

Name

Date

Class

Academic Honesty

The work I am submitting is completely my own creation and has not been copied from anyone else's work. If I have received help on this project, the names of those who have assisted are listed below.

Signature

Pre-Marking

The following people have pre-marked this assignment: (minimum of two)

Deductions

Each which is checked indicates the item was not satisfactory and results in the loss of one mark.

Deduction for late assignment is 1 mark per day.

Deduction for program crashing is 2 marks.

User Interface

- Appropriate Text in Title Bar (Form.Text)
- Separators and Access Keys in Menu, Capitalization
- "Exit" DialogBox meets requirements
- "About" DialogBox meets requirements
- Efficient and Esthetically-Pleasing User Interface
- Appropriate controls are used
- Spelling and Grammar are correct

Code / Programming Style

- Variables are declared and logically named
- Code is commented where appropriate
- Code is indented and spaced to show
- Code is efficient

Work Ethic / Problem Solving Skills

- Problem Solving Skills are demonstrated
- Makes Productive Use of Time
- Only Seeks Help when Necessary

Program-Specific Criteria

- Freehand Drawing tool works
- Line tool works
- Rectangle tool works
- Filled Rectangle tool works
- Circle Tool tool works
- Filled Circle tool works
- User can select from various colors
- User can select from various line thicknesses
- Current x and y coordinates are displayed
- User can clear drawing
- User can save drawing to clipboard

Comments

Mark _____ / 10