

MyPaint

Very simple painting program

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With the MyPaint application the users can draw an image. There are few instruments for drawing: pencil, tools for painting line, rectangle and ellipse. Pen color and width are configurable. The File menu gives the users the possibility to open and edit an existing image file, save an image and exit the application. Options menu allows users to clear the screen. Help menu provides the users with information about the MyPaint.

The program consists of those classes:

- PaintScene inherits QGraphicsScene and allows user to draw on it.
- InstrumentsWidget custom Widget that displays control elements for drawing.
- DataSingleton is singleton for store variables and settings of program.
- AbstractInstrument is abstract instrument class.
- PencilInstrument inherits from AbstractInstrument.
- GeometricShapesInstrument inherits from AbstractInstrument. Draws line, rectangle and ellipse.
- MainWindow provides a menu.