ShapeDrawer File:

- import packages
- define necessary constants
- define Memory class as subclass of QWidget
    - define init function
        - init super
        - set the geometry
        - set window name
        - init timer
        - set time callback to self.callback
        - define the rect of the game
        - define the current number as -1
        - create a list of numbers 1 to n/2, repeated twice
        - shuffle it
        - put it in a two dimensional list
        - init visibile cells as []
        - set paused and complete to false
        - self.show()
    - define callback
        - remove last two items of visible cells
        - set the current number to -1
        - set paused to false
        - stop the timer
        - update self
    - define numberFromCoord
        - return the number at the given coordinate
    - define paintEvent
        - init the painter
        - begin the painter
        - for each coordinate,
            - if the cell is in visibleCells, paint the number
            - if not, paint the image
        - if the game is done, paint the “You won!” banner
        - end the painter
    - define the mousePressEvent:
        - if the game is not paused,
            - define the coordinate from the click
                - if the coordinate is not in visible cells but in the gameRect,
                    - add the cell to visible cells,
                    - define the number as the number at that coordinate
                    - if the current number is -1, set the current number to the number
                    - else, if the current number is not the number, start the timer and pause the game
                        - else, set the current number to -1
                            - if the visible cells is equal to n^2, complete the game
            - update self.
- in main loop,
    - init the application,
    - create memory window,
    - then exit app

Dazzle Point: I added images to every block to make the cards colored. These images are smiley faces and make the game more fun.