



NETA. Digital Competence Center M-Industry

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Graphic Editor

Develop a simple web app called “Graphic Editor” which draws geometric shapes such as circle, square, rectangle, ellipse... etc. Each shape might have various attributes like border color and size, fill color... etc.

Your app should support adding more shapes quickly, easily and with minimum code changes. You need to provide the implementation for at least 2 shapes of your choice.

You may use testing frameworks and/or simple API frameworks like Silex or Lumen.

Input:

Your app should expose an endpoint which receives JSON input:

```
{
  "shapes": [
    {
      "type": "circle",
      "perimeter": 10,
      "border": {
        "color": "red",
        "width": 1
      }
    },
    {
      "type": "square",
      "sideLength": 10,
      "border": {
        "color": "#776cff",
        "width": 2
      }
    },
    ...
  ]
}
```

Output:

Your app should display the result (i.e. the drawn shapes) in any format: array of points, image (binary file)... etc.