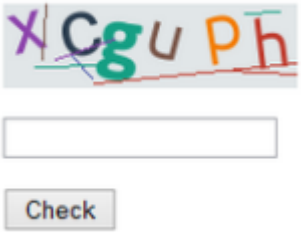
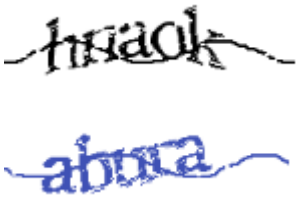
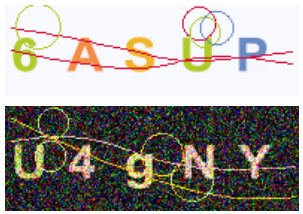
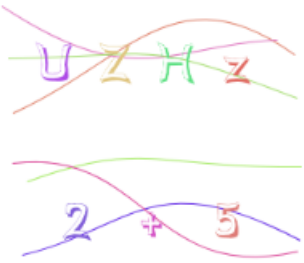
Library	Examples	URL Open Source	Anti-Segmentation Method	Anti-recognition Method	Automated Extraction and Saving	Note
Captcha for Laravel 5/6/7		https://github.com/mewebstudio/captcha	Random lines of different colors, Random background details such as background fog	Random fonts, Multiple captcha-recognition methods such as addition of 2 numbers or text copying	Function Captcha::create()	Useful for training segmentation Will have to get clear text values of captcha. PHP
Gregwar captcha		https://github.com/Gregwar/Captcha	Random lines, Various background colors	Character distortion, Different fonts	CaptchaBuilder builder → *build* builder → *save*	Basic Captcha May be useful training on character distortion. PHP
trekjs captcha		https://github.com/trekjs/captcha	Text with noise, Random lines	character distortion	Function: run() example on github	Gif Captcha will have to extract images. Javascript
svg-captcha		https://github.com/produck/svg-captcha	Almost no methods, Few random lines, Text contains the same color as the background	Random text-color, Random captcha recognition metheds such as addition of 2 numbers or text copying	Functions randomText() create()	Generates SVG files will have to convert them to PNG. Javascript

Library	Examples	URL Open Source	Anti-Segmentation Method	Anti-recognition Method	Automated Extraction and Saving	Note
go-captcha		https: //github.com/ wenlng/go-captcha	Random lines of different colors, Dots, Noise, then another image with different background and same symbols	Hard character detection even for the human eye, in-order character selection, rotated characters	Functions GetCaptcha() Generate()	Hardest captcha in my opinion detection and identi- -fication in two places Can be useful to train segmentation. GO language
steambap captcha		https: //github.com/ steambap/captcha	Random lines, Noise, Text interflows with the background	Different fonts, Character distortion	Function handle()	Tricky to identify characters useful on training with noise and lines. GO language
tarunk04 captcha- generator		https://github. com/tarunk04/ Captcha_Generator	Multiple Random lines over the text	Random character color, Rotated characters, Different fonts	Realized using POST method with a user input. Automation of user input	Applying Erozion might be useful to remove the lines and bypass anti-segmentation. PHP
samir's captcha- generator		https://github. com/samirdjelal/ captcha-rs	Random lines, Various geometric figures over the text, Random background colors, Noise,	Random captcha recognition methods such as addition of 2 numbers or text copying, character distortion, different colors	Constructor: CaptchaBuilder Properties: captcha.text captcha.base_img	Has multiple levels of captcha, 1-10 increasing difficulties useful for training with noise and filters. Rust

Library	Examples	URL Open Source	Anti-Segmentation Method	Anti-recognition Method	Automated Extraction and Saving	Note
svg-captcha-express		https://github.com/lazarofl/svg-captcha-express	Random lines of different colors, text color interflows with background	Multiple recognition methods, different character colors, random fonts	Functions create(...options) image()	Another SVG - - Generating library seems to be more accurate than the first one. Javascript
lepture captcha		https://github.com/lepture/captcha	Random dots and Lines, different background colors	Character distortion, different fonts, unification of letters	Constructor: ImageCaptcha Methods: write()	Easy to use can contain unified characters. Python