Integrating Captcha into Your Web Page

This tutorial is based on the link I added to the moodle page [here](). You should read the documentation.

There is a sample solution on moodle called *register.php* you also need to download the *recaptchalib.php* file.

You can probably use the API keys I have setup. If not you need to create a google account if you don't already have one and follow the instructions in the google page accessible via the link above.

For the   label: I added localhost/project/register.php
                Domains: I added localhost

The code for register.php is below I've highlighted the new code in red.

register.php

```
<?php
$usernameErr = "";
$username = "";
$emailErr = "";
$email = "";
$captchaErr = "";
if ($_POST) {
        // grab recaptcha library
        include "recaptchalib.php";

        $username = $_POST['username'];
        $email = $_POST['email'];

        if (empty($username) || strlen($username) < 4 )
                $usernameErr = "Username is required, at least 4 chars";
```

```php
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
                $emailErr = 'Sorry you did not enter a correct email! ';
        }
        // your secret key
        $secret = "6LeyyDoUAAAAAI2sN9Ep-z6wtJsxOjclHGpbAAyK";
        // empty response
        $response = null;
        // check secret key
        $reCaptcha = new ReCaptcha($secret);
        // if submitted check response
        if ($_POST["g-recaptcha-response"]) {
                $response = $reCaptcha->verifyResponse(
                        $_SERVER["REMOTE_ADDR"],
                        $_POST["g-recaptcha-response"]
                );
        }
        if ($response != null && $response->success)
                $captchaErr="";
        else
                $captchaErr="Bad Response from Captcha";

        if (empty($captchaErr)&& empty($usernameErr)&& empty($emailErr)) {
                echo "validation passed";
                //do database stuff and navigate to next php file
        }


}
?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <style>
        .error {display: block;color: #FF0000; }
        label,input  {
         display:block;
         margin-bottom: 5px;
        }
        </style>
    <title>How to Integrate Google "No CAPTCHA reCAPTCHA" on Your Website</title>
  </head>

  <body>
```

```html
<form action="register.php" method="post">

  <label for="username">Name:</label>
  <input name="username" type="text" value="<?php echo $username; ?>"><br />
    <span class = "error"><?php echo $usernameErr;?></span>

  <label for="email">Email:</label>
  <input name="email" type="email" value="<?php echo $email; ?>"><br />
    <span class = "error"><?php echo $emailErr;?></span>

  <div class="g-recaptcha"
data-sitekey="6LeyyDoUAAAAAKFOdy67licu2jriJoSDH2YZ2os7"></div>
    <span class = "error"><?php echo $captchaErr;?></span>
  <input type="submit" value="Submit" />

</form>

<!--js-->
<script src='https://www.google.com/recaptcha/api.js'></script>

</body>
</html>
```