

UPPLADDNING AV BILDER TILL FOTOALBUM

Följande mappar och filer ska finnas för fotoalbumet (nya filer i **fetstil**):

- assets/
 - config/
 - db.php
 - css/
 - all.min.css
 - bootstrap.min.css
 - jcrop.gif
 - jcrop.min.css
 - login.css
 - functions/
 - **photo.resize.php**
 - photo.upload.php
 - session.check.php
 - session.login.php
 - includes/
 - notifications.index.php
 - notifications.upload.php
 - js/
 - jcrop.min.js
 - resize.js
 - webfonts/
- photos/
- **gallery.php**
- index.php
- logout.php
- **resize.php (beskränning av bild)**
- protected.php (formulär för uppladdning)

STEG 1.

Kopiera innehållet från **upload.php** till **resize.php**. Utveckla ett formulär för beskärning av bilder i <main> elementet. Lägg även till filen **photo.resize.php** med **require_once**. Lägg också till CSS filen för JCrop i <head> elementet.

```
<?php
// Init session management
session_start();
// Opens database connection
require_once 'assets/config/db.php';
// Check if user is allowed to upload photos
require_once 'assets/functions/session.check.php';
// Process photo to database
require_once 'assets/functions/photo.resize.php';
?>

<!-- JCrop CSS -->
<link rel="stylesheet" href="assets/css/jcrop.min.css">

<main class="container mt-5">
  <form action="resize.php" method="post" onsubmit="return checkCoords();">
    
    <input type="hidden" id="x" name="x">
    <input type="hidden" id="y" name="y">
    <input type="hidden" id="w" name="w">
    <input type="hidden" id="h" name="h">
    <div class="form-group mt-3">
      <button type="submit" class="btn btn-primary" name="upload-
resize">Beskär</button>
    </div>
  </form>
</main>

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.0/dist/js/bootstrap.min.js"></script>
<script src="assets/js/jcrop.min.js"></script>
<script src="assets/js/resize.js"></script>
```

STEG 2.

Öppna filen **photo.resize.php** och utveckla kod för att beskära den uppladdade bilden.

```
<?php
// Checks whether resize button has been pressed
if (isset($_POST['upload-resize'])) {
    // X- and Y coordinate of new file (cropped image)
    $dst_x = 0;
    $dst_y = 0;

    // Must be same values of minSize in JS script
    // Sets size of new file (cropped image)
    $dst_w = 350;
    $dst_h = 210;

    // Crops start X and Y position in original image
    $src_x = $_POST['x'];
    $src_y = $_POST['y'];

    // Crops end X and Y position in original image
    $src_w = $_POST['w'];
    $src_h = $_POST['h'];

    // Creates an image with true colors having thumb
    $dst_image = imagecreatetruecolor($dst_w, $dst_h);

    // Retrieve path to original and thumb photos
    $file_original = 'photos/' . $_SESSION['file_original'];
    $file_thumb = 'photos/' . $_SESSION['file_thumb'];

    // Checks file extension
    $file_ext = pathinfo($file_original, PATHINFO_EXTENSION);

    // Creates new file
    switch ($file_ext) {
        case 'jpeg':
        case 'jpg':
            // Create a new JPG/JPEG from original filename (uploaded photo)
            $src_image = imagecreatefromjpeg($file_original);
            // Cropping
            imagecopyresampled($dst_image, $src_image, $dst_x, $dst_y, $src_x, $src_y,
            $dst_w, $dst_h, $src_w, $src_h);
            // Saving new filename (cropped photo)
```

```

        imagejpeg($dst_image, $file_thumb);
        break;
    case 'png':
        // Create a new PNG from original filename (uploaded photo)
        $src_image = imagecreatefrompng($file_original);
        // Cropping
        imagecopyresampled($dst_image, $src_image, $dst_x, $dst_y, $src_x, $src_y,
$dst_w, $dst_h, $src_w, $src_h);
        // Saving new filename (cropped photo)
        imagepng($dst_image, $file_thumb);
        break;
    case 'gif':
        // Create a new GIF from original filename (uploaded photo)
        $src_image = imagecreatefromgif($file_original);
        // Cropping
        imagecopyresampled($dst_image, $src_image, $dst_x, $dst_y, $src_x, $src_y,
$dst_w, $dst_h, $src_w, $src_h);
        // Saving new filename (cropped photo)
        imagegif($dst_image, $file_thumb);
        break;
    }

    // Free image from memory
    imagedestroy($dst_image);

    // Creates, prepares, binds and executes a query
    $sql = 'INSERT INTO photos (uid, original, thumb, regdate) VALUES (:uid, :original,
:thumb, NOW())';
    $stmt = $dbh->prepare($sql);
    $stmt->bindValue(':uid', $_SESSION['id']);
    $stmt->bindValue(':original', $_SESSION['file_original']);
    $stmt->bindValue(':thumb', $_SESSION['file_thumb']);

    // Checks whether query executed correctly
    if ($stmt->execute()) {
        // Deletes session variable for original and thumb files
        unset($_SESSION['file_original']);
        unset($_SESSION['file_thumb']);
        // Redirect user to gallery
        header('Location: ../gallery.php');
        exit();
    }
}
?>

```

STEG 3.

Kopiera innehållet från **upload.php** till **gallery.php**. Utveckla kod för att visa bilder i <main>

```
<main class="container mt-5">
  <div class="card-deck">
    <?php
      // Creates, prepares, and executes a query
      $sql = 'SELECT * FROM photos ORDER BY regdate DESC';
      $stmt = $dbh->prepare($sql);
      $stmt->execute();

      // Checks if there are photos in database
      if ($stmt->rowCount() > 0) {
        // Prints out all photos
        while ($row = $stmt->fetch()) {
          echo '
            <div class="col-md-4">
              <div class="card m-0 mb-4">
                
                <div class="card-body">
                  <p class="card-text d-flex justify-content-between">
                    <span><i class="far fa-thumbs-up"></i> Gilla</span>
                    <span><i class="fas fa-comments"></i> Kommentera</small></span>
                    <span><i class="fas fa-share"></i> Dela</span>
                  </p>
                  <p class="card-text"><small class="text-muted">Publicerat:
'. $row['regdate'].'</small></p>
                </div>
              </div>
            </div>
          ';
        }
      }
    ?>
  </div>
</main>
```