Date and time picker

- You choose an input type of date, month, week, time, datetime, or datetimelocal.

- A picker will pop up on supported browsers from which the user can make a selection, like this one, which inputs the time:

- <input type='time' name='time' value='12:34'>

https://www.w3schools.com/code/tryit.asp?filename=FHOCU4HGWSNE

Uploading/Reading image to MySQL

COMP-3340 World Wide Web Information System Dev.

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Inserting image to DB table

- The user uploads the image file using a file input type in a form.
- PHP file will receive the image for processing and inserting to data base using $_FILE array.
- A table with blob column is needed to save the file in DB.
- CREATE TABLE `pictures` (

  `id` int(10) UNSIGNED NOT NULL,

  `pic` **blob**,

  `name` varchar(100) COLLATE utf8_unicode_ci NOT NULL)

http://alkhate.myweb.cs.uwindsor.ca/60334/examples/insertimage.php

insertimage.php // sender

```
<html>
<head><title> Image Insertion</title></head>
<body>
<h3>Please Choose a File and click Submit</h3>
<form enctype="multipart/form-data" action=
"<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
<input type="hidden" name="MAX_FILE_SIZE" value="10000000" />
<input name="userfile" type="file" />
<input type="submit" value="Submit" />
</form>
```

insertimage.php // reciever

```php
<?php
// check if a file was submitted
if(!isset($_FILES['userfile']))   echo '<p>Please select a file</p>';
else
{  try {

        $msg= upload();  //this will upload your image
        echo $msg;  //Message showing success or failure.

        }
    catch(Exception $e) {
    echo $e->getMessage();
    echo 'Sorry, could not upload file';
    } }
```

insertimage.php //checking

function upload() {

$maxsize = 10000000; //set to approx 10 MB

if($_FILES['userfile']['error']==UPLOAD_ERR_OK) {//check associated error code

 if(is_uploaded_file($_FILES['userfile']['tmp_name'])) {//check whether file is uploaded //with HTTP POST

if(**$_FILES['userfile']['size'] < $maxsize**) {//checks size of uploaded image on server side

//checks whether uploaded file is of image type

        $finfo = finfo_open(FILEINFO_MIME_TYPE);

        if(strpos(finfo_file($finfo, $_FILES['userfile']['tmp_name']),"image")===0) **{**

insertimage.php //insert

```php
 // prepare the image for insertion
$imgData =addslashes (file_get_contents($_FILES['userfile']['tmp_name']));
require_once 'login.php';
$conn = new mysqli($hn, $un, $pw, $db);
if ($conn->connect_error) die($conn->connect_error);
$sql = "INSERT INTO pictures(pic, name,id)
VALUES('{$imgData}', '{$_FILES['userfile']['name']}', NULL)";
$result = $conn->query($sql);
if (!$result) die($conn->error);
$msg='<p>Image successfully saved  </p>'; }
```

insertimage.php //elses

else $msg="<p>Uploaded file is not an image.</p>" }

      else { // if the file is not less than the maximum allowed, print an error

        $msg='<div>File exceeds the Maximum File limit</div>

        <div>Maximum File limit is '.$maxsize.' bytes</div>

        <div>File '.$_FILES['userfile']['name'].' is '.$_FILES['userfile']['size'].

        ' bytes</div><hr />'; }

    }

    else $msg="File not uploaded successfully."; }

  else $msg= file_upload_error_message($_FILES['userfile']['error']);

return $msg;

}

insertimage.php //error codes messages

```php
// Function to return error message based on error code
function file_upload_error_message($error_code) {
    switch ($error_code) {
        case UPLOAD_ERR_INI_SIZE:
            return 'The uploaded file exceeds the upload_max_filesize directive in php.ini';
        case UPLOAD_ERR_FORM_SIZE:
            return 'The uploaded file exceeds the MAX_FILE_SIZE directive that was specified in the HTML form';
        case UPLOAD_ERR_PARTIAL:
            return 'The uploaded file was only partially uploaded';
        case UPLOAD_ERR_NO_FILE:
            return 'No file was uploaded';
```

insertimage.php //error codes messages

```
case UPLOAD_ERR_NO_TMP_DIR:
    return 'Missing a temporary folder';
    case UPLOAD_ERR_CANT_WRITE:
    return 'Failed to write file to disk';
    case UPLOAD_ERR_EXTENSION:
    return 'File upload stopped by extension';
    default:
    return 'Unknown upload error';
  } } // closing the switch and the funtion
?>
</body>
</html>
```

Please Choose a File and click Submit

Choose File | db5.png   Submit

Please select a file

Please Choose a File and click Submit

Choose File | No file chosen   Submit

Image successfully saved

Show image from DB

```php
<?php
  require_once 'login.php';
  $conn = new mysqli($hn, $un, $pw, $db);
  if ($conn->connect_error) die($conn->connect_error);
  $query  = "SELECT * FROM pictures";
  $result = $conn->query($query);
  if (!$result) die($conn->error);
  $rows = $result->num_rows;
```

Show image from DB

```php
for ($j = 0 ; $j < $rows ; ++$j){
$result->data_seek($j);
echo ' <img src="data:image/jpeg;base64,'.base64_encode( $result->fetch_assoc()['pic']). '">';
}
mysqli_free_result($result);
mysqli_close($con);
?>
```

data URI scheme

- (HTML) The **data URI scheme** is a uniform resource identifier (URI) scheme that provides a way to include data in-line in web pages as if they were external resources.

- data:[<media type>][;base64],<data>

- **(PHP) base64_encode()** Encodes data with MIME base64.

Bootstrap

- A front end framework for making responsive design easy.
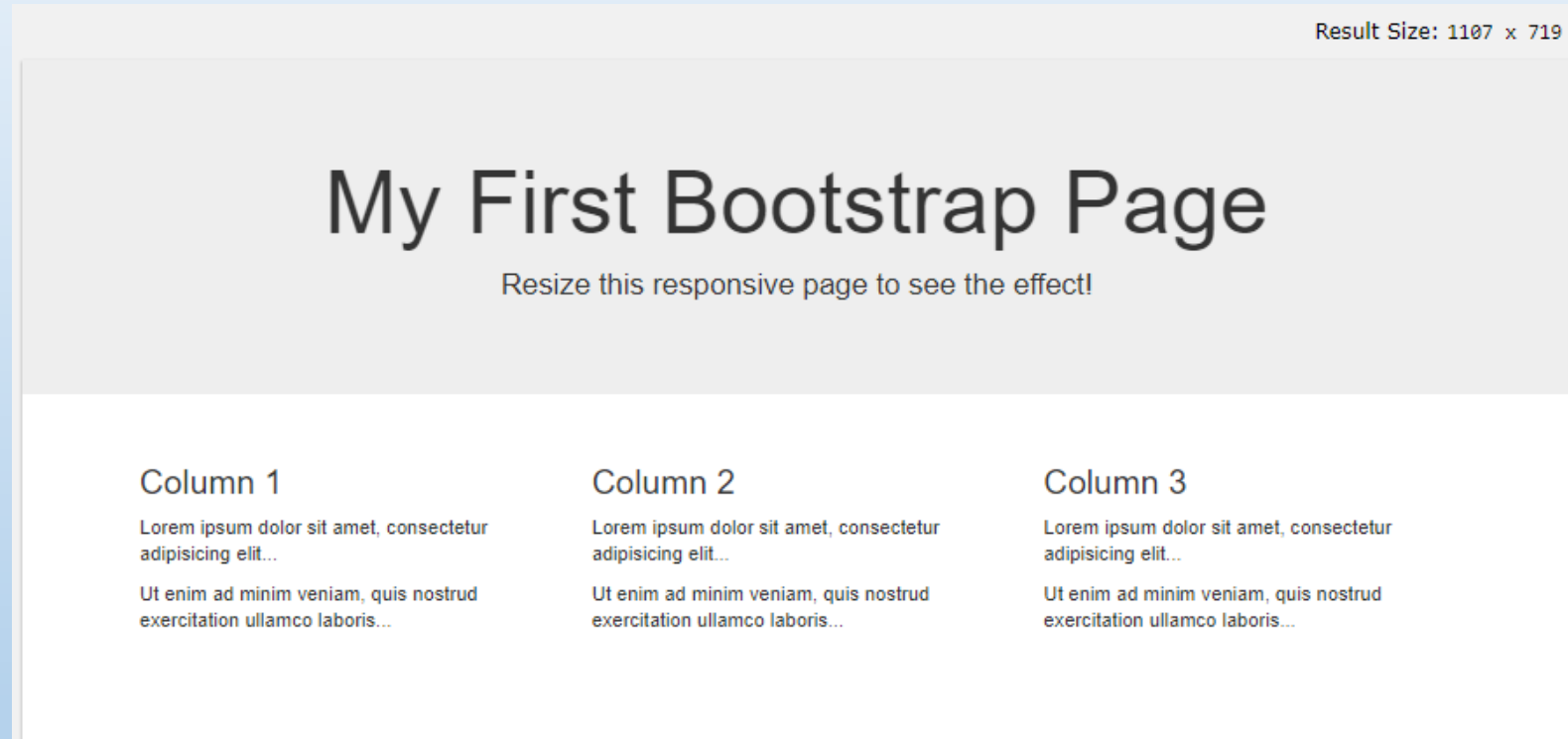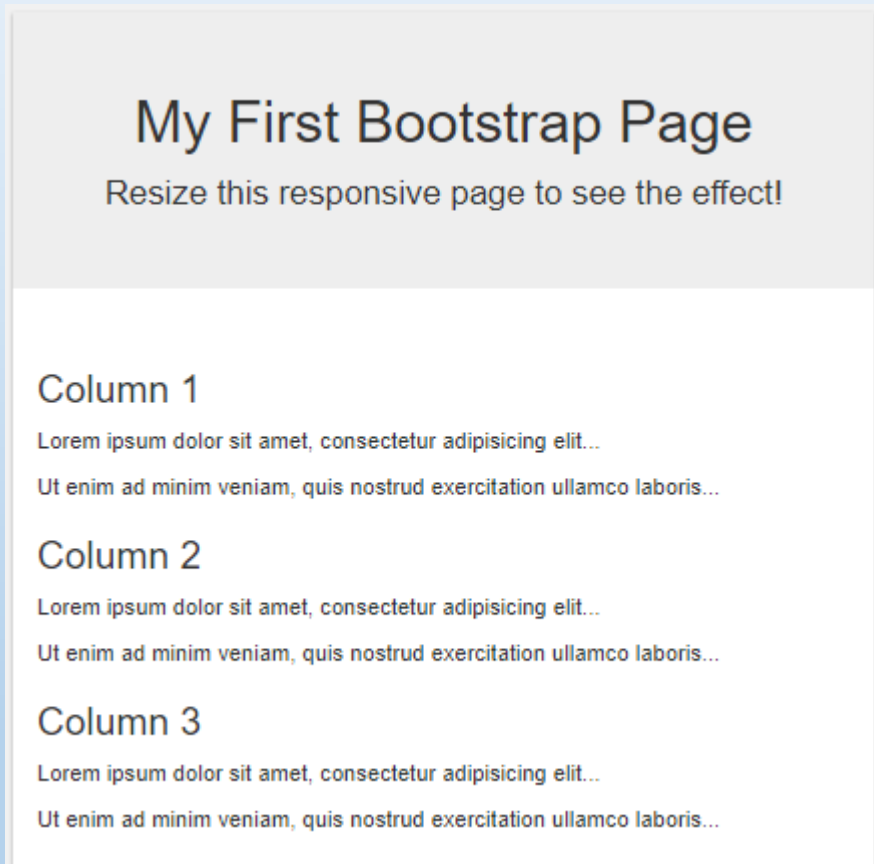- "Bootstrap, a sleek, intuitive, and powerful mobile first front-end framework for faster and easier web development"

~getbootstrap.com

To Download bootstrap:

http://v4-alpha.getbootstrap.com/getting-started/download/

Bootstrap requires JQuery as a prerequisite

Template - Bootstrap

news.php - Folder Structure

- html

 news.php

- js

 bootstrap.min.js
 Jquery-3.2.1.min.js

- css

 bootstrap.min.css

news.php – DB table

- CREATE TABLE news

(id INT(6) PRIMARY KEY AUTO_INCREMENT,

title VARCHAR(100), created_date TIMESTAMP,

 news text(1000));

news.php

```
<!DOCTYPE html>
<html lang="en">
<head>
 <title>News</title>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
 <link rel="stylesheet" href="css/bootstrap.min.css">
 <script src="js/jquery.min.js"></script>
 <script src="js/bootstrap.min.js"></script>
</head>
```

Essential for responsive web page

Bootstrsap-css

Jquery

Bootstrsap-js

news.php

```php
<body>
<div class="jumbotron text-center">
  <h1>Abed News</h1>
  <p>Resize this responsive page to see the effect!</p>
</div>
<div class="container">
  <div class="row">
<?php
 require_once 'login.php';
 $conn = new mysqli($hn, $un, $pw, $db);
 if ($conn->connect_error) die($conn->connect_error);
 $query  = "SELECT * FROM news";
 $result = $conn->query($query);

if (!$result) die($conn->error);
 $rows = $result->num_rows;
for ($j = 0 ; $j < $rows ; ++$j){
  echo '<div class="col-sm-4">';
  $result->data_seek($j);
echo '<h3>'. $result->fetch_assoc()['title']   . '</h3> ' ;
 $result->data_seek($j);
echo $result->fetch_assoc()['news'] ;
echo '</div>'; }
echo '</div>';
?>
</div>
</body> </html>
```

Insert records to news table

References

- Learning PHP, MySQL & JavaScript, 4th Edition. With jQuery, CSS & HTML5, by Robin Nixon, O'Reilly Media, 2014, 978-1-4919-1866-1, chapters,7, 11,26
- http://php.net/manual/en/function.finfo-file.php
- http://php.net/manual/en/features.file-upload.errors.php
- http://Getbootstrap.com