

Exercise 11.9 – Integrating User Inputs (MYSQLI)

- No extra functions
- Messy coding techniques
- PHP Functions and Procedures
 - `define()`
 - `$connection = mysqli_connect(DBHOST, DBUSER, DBPASS, DBNAME);`
 - `$result = mysqli_query($connection, $sql);`
 - `$row = mysqli_fetch_assoc($result);`
 - `mysqli_free_result($result);`
 - `mysqli_close($connection);`

```
<?php
//config.php - lab11-exercise08-mysqli.php
define('DBHOST', 'localhost');
define('DBNAME', 'art');
define('DBUSER', 'testuser');
define('DBPASS', 'secret');
define('DBCONNSTRING','mysql:host=localhost;dbname=art');
?>
//lab11-exercise09.php
<?php require_once('config.php'); ?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Chapter 11</title>

<!-- Bootstrap core CSS -->
<link href="bootstrap3_defaultTheme/dist/css/bootstrap.css" rel="stylesheet">

</head>
<body>

<form method="get" action="lab11-exercise09.php">
<div class="well">
<h1>User Input (mysqli)</h1>
Gallery:
<select name="gallery">
<option value="0">Select a gallery</option>
<?php
$connection = mysqli_connect(DBHOST, DBUSER, DBPASS, DBNAME);
if ( mysqli_connect_errno() ) {
    die( mysqli_connect_error() );
}
$sql = 'select * from Galleries order by GalleryName';

if ($result = mysqli_query($connection, $sql)) {
```

```

// loop through the data
while($row = mysqli_fetch_assoc($result))
{
    echo '<option value="" . $row['GalleryID'] . ""';
    if (isset($_GET['gallery']) && $row['GalleryID'] == $_GET['gallery']) echo ' selected ';
    echo '>';
    echo htmlentities($row['GalleryName'], ENT_IGNORE | ENT_HTML5, "ISO-8859-1");
    echo ' (' . $row['GalleryCity'] . ')';
    echo '</option>';
}
// release the memory used by the result set
mysqli_free_result($result);
}

?>
</select>
<input class="btn btn-default" type="submit" value="Submit">
</div>

<div class="container">
<div class="row">
// added the following code
<?php
if ($_SERVER["REQUEST_METHOD"] == "GET") {
    if (isset($_GET['gallery']) && $_GET['gallery'] > 0) {
        $sql = 'select * from ArtWorks where GalleryId=' . $_GET['gallery'];
        if ($result = mysqli_query($connection, $sql)) {
            // loop through the data
            while($row = mysqli_fetch_assoc($result))
            {
                ?>
                <div class="col-md-3">
                    <div class="thumbnail">
                        " alt="<?php echo $row['Title']; ?>"
                            class="img-thumbnail img-responsive">
                        <div class="caption">
                            <?php echo $row['Title']; ?>
                        </div>
                    </div>
                </div>
            }
        }
    }
}
<?php
} // end while

// release the memory used by the result set
mysqli_free_result($result);

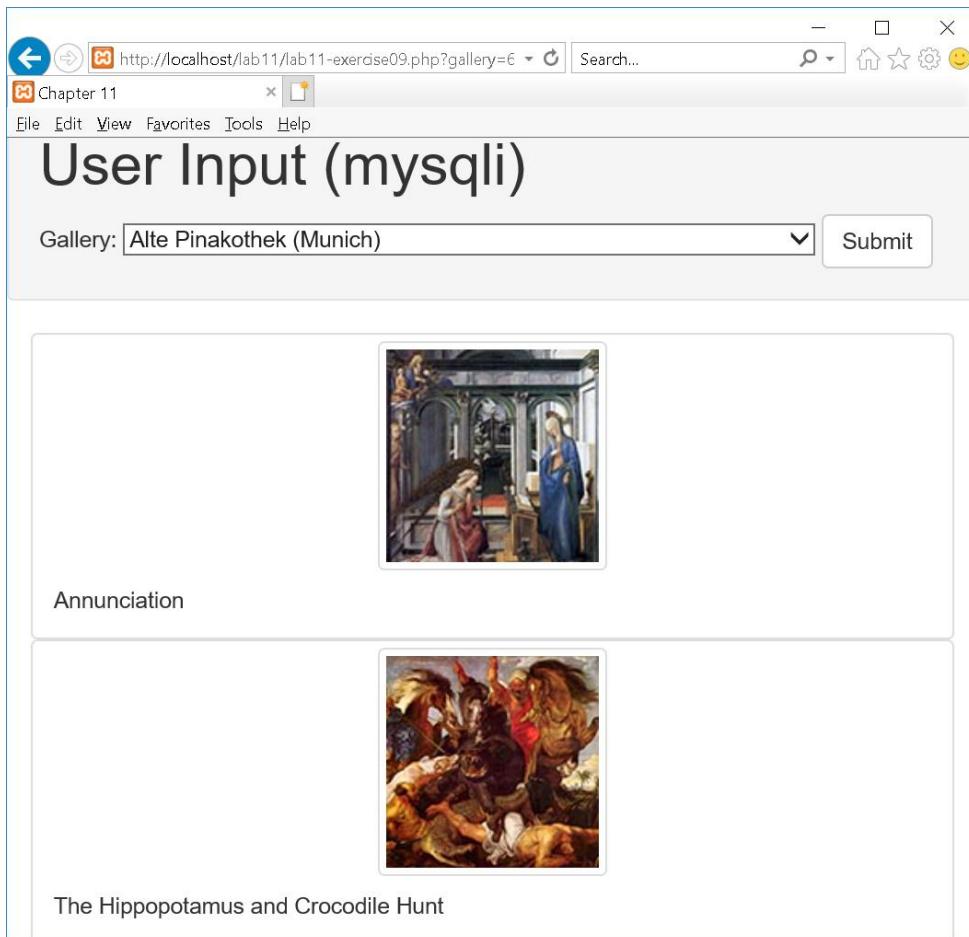
} // end if ($result)

```

```
 } // end if (isset  
 } // end if ($_SERVER  
  
 // close the database connection  
 mysqli_close($connection);  
  
?>
```

```
</div>  
</div>  
</form>  
</body>  
</html>
```

Results



The screenshot shows a web browser window with the URL <http://localhost/lab11/lab11-exercise09.php?gallery=6>. The title bar says "Chapter 11". The menu bar includes File, Edit, View, Favorites, Tools, and Help. The main content area has a heading "User Input (mysqli)". Below it is a dropdown menu labeled "Gallery: Alte Pinakothek (Munich)" with a "Submit" button next to it. Two images are displayed in separate boxes: "Annunciation" (a painting of the Virgin Mary and the Angel Gabriel) and "The Hippopotamus and Crocodile Hunt" (a painting by El Greco).