

## Chapter 13 Project 3: CRM Admin

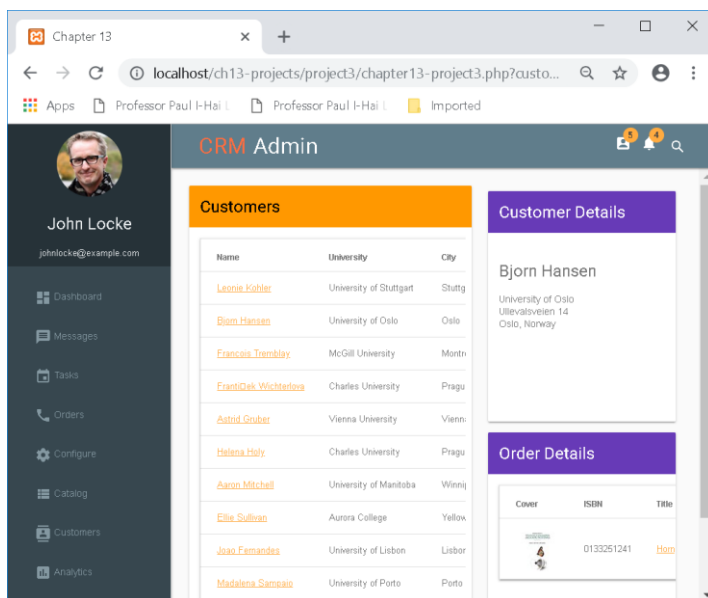
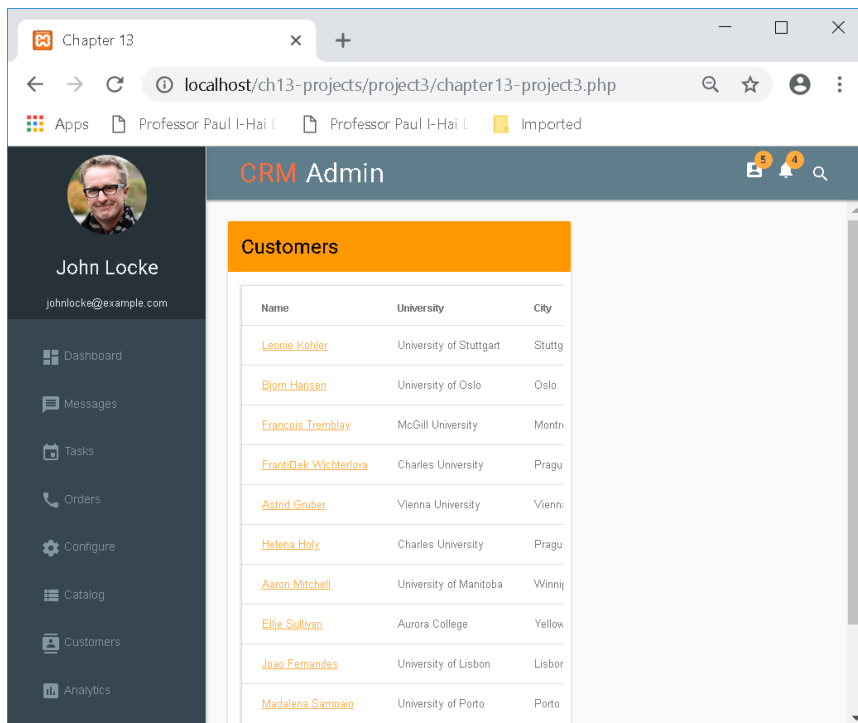
### Chapter12-project03.php

1. Two text files containing customer information and their orders
  - a. **customer.txt**
  - b. **order.txt**
2. Define and encapsulate these data in the following order
  - a. **orderId, customerId, bookISBN, bookTitle, bookCategory**
3. **Read the data in customer.txt** and for each line in customer.txt file, create a new instance of Customer in an array, then **display the customer data in a table**.
4. Each customer name must be a link back to chapter13-project03.php, but with the customer id data as a query string.
5. When the user clicks on the customer name, then read the data in **order.txt** Into an array of **Order** objects, then display any matching order data for the customer. Display a message when there is no order information for the requested customer.

### Program Organization

#### project3 folder

- php.ini --- initialization file for configuring working environment
- css
- data (flat files)
  - books.txt
  - customers.txt
  - orders.txt
- Images
- chapter13-project3.php
  - 'include/book-utilities.inc.php'
    - Customer.class.php
    - Order.class.php
  - header.inc.php
  - left-nav.inc.php
  - User defined functions
    - function readCustomers(\$filename)
    - function readOrders(\$customer, \$filename)
- js



<?php

/\*

Represents a Customer (for the book case)

\*/

//Customer.class.php

class Customer

{

private \$id;

private \$firstName;

private \$lastName;

```

private $email;
private $university;
private $address;
private $city;
private $state;
private $country;
private $zipPostal;
private $phone;
private $sales;

// constructor is
/*
function __construct($id, $firstName, $lastName, $email, $university, $address, $city, $state,
$country, $zip, $phone) {

    $this->id = $id;
    $this->firstName = $firstName;
    $this->lastName = $lastName;
    $this->email = $email;
    $this->university = $university;
    $this->address = $address;
    $this->city = $city;
    $this->state = $state;
    $this->country = $country;
    $this->zipPostal = $zip;
    $this->phone = $phone;

}
*/

function __construct($delimiter,$line) {
    $splitcontents = explode($delimiter, $line);

    $this->id = $splitcontents[0];
    $this->firstName = utf8_encode($splitcontents[1]);
    $this->lastName = utf8_encode($splitcontents[2]);
    $this->email = utf8_encode($splitcontents[3]);
    $this->university = utf8_encode($splitcontents[4]);
    $this->address = utf8_encode($splitcontents[5]);
    $this->city = utf8_encode($splitcontents[6]);
    $this->state = utf8_encode($splitcontents[7]);
    $this->country = utf8_encode($splitcontents[8]);
    $this->zipPostal = utf8_encode($splitcontents[9]);
    $this->phone = utf8_encode($splitcontents[10]);
    $this->sales = utf8_encode($splitcontents[11]);
}

public function getId() { return $this->id; }

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public function getFirstName() { return $this->firstName; }
public function getLastName() { return $this->lastName; }
public function getFullName() { return $this->firstName . ' ' . $this->lastName; }
public function getEmail() { return $this->email; }
public function getUniversity() { return $this->university; }
public function getAddress() { return $this->address; }
public function getCity() { return $this->city; }
public function getState() { return $this->state; }
public function getCountry() { return $this->country; }
public function getZipPostal() { return $this->zipPostal; }
public function getPhone() { return $this->phone; }
public function getSales() { return $this->sales; }
}
?>

```

```

<?php
/*
    Represents a Order (for the book case)
*/
//Order.class.php
class Order
{

    private $id;
    private $customerId;
    private $isbn;
    private $title;
    private $category;

    // constructor is
    /*
    function __construct($id, $customerId, $isbn, $title, $category) {
        $this->id = $id;
        $this->customerId = $customerId;
        $this->isbn = $isbn;
        $this->title = $title;
        $this->category = $category;
    }
    */

    function __construct($delimiter,$line) {
        $splitcontents = explode($delimiter, $line);

        $this->id = $splitcontents[0];
        $this->customerId = $splitcontents[1];
        $this->isbn = $splitcontents[2];
        $this->title = $splitcontents[3];
        $this->category = $splitcontents[4];
    }
}

```

```

    }

    public function getId() { return $this->id; }
    public function setId($id) { $this->id = $id; }
    public function getCustomerId() { return $this->customerId; }
    public function getIsbn() { return $this->isbn; }
    public function getTitle() { return $this->title; }
    public function getCategory() { return $this->category; }
}
?>

<?php
//book-utilities.inc.php
include 'Customer.class.php';
include 'Order.class.php';

function readCustomers($filename) {
    // read the file into memory; if there is an error then stop processing
    $arr = file($filename) or die('ERROR: Cannot find file');
    // our data is semicolon-delimited
    $delimiter = ';';
    // loop through each line of the file
    foreach ($arr as $line) {
        // returns an array of strings where each element in the array
        // corresponds to each substring between the delimiters
        $aCustomer = new Customer($delimiter,$line);

        //print_r($line);
        // add customer to array of customers
        $customers[$aCustomer->getId()] = $aCustomer;
    }
    return $customers;
}

function readOrders($customer, $filename) {
    $arr = file($filename) or die('ERROR: Cannot find file');
    // our data is comma-delimited
    $delimiter = ',';
    // loop through each line of the file
    foreach ($arr as $line) {
        $anOrder = new Order($delimiter,$line);
        $orders[$anOrder->getId()] = $anOrder;
    }

    foreach ($orders as $ord) {
        if ($ord->getCustomerId() == $customer) $filtered[] = $ord;
    }
}

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    }

    if (isset($filtered) )
        return $filtered;
    else
        return null;

}
?>

<?php

include 'includes/book-utilities.inc.php';
$customers = readCustomers('data/customers.txt');
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Chapter 13</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link href='http://fonts.googleapis.com/css?family=Roboto' rel='stylesheet' type='text/css'>

    <link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
    <link rel="stylesheet" href="https://code.getmdl.io/1.1.3/material.blue_grey-orange.min.css">

    <link rel="stylesheet" href="css/styles.css">
    <script src="https://code.jquery.com/jquery-1.7.2.min.js" ></script>
    <script src="https://code.getmdl.io/1.1.3/material.min.js"></script>
    <script src="js/jquery.sparkline.2.1.2.js"></script>

    <script type="text/javascript">
    $(function() {
        /** This code runs when everything has been loaded on the page */
        /** Inline sparklines take their values from the contents of the tag */
        $(''.inlinesparkline').sparkline('html', {type: 'bar', barColor: '#6200EA'});
    });
    </script>
</head>
<body>
<div class="mdl-layout mdl-js-layout mdl-layout--fixed-drawer
        mdl-layout--fixed-header">
    <?php include 'includes/header.inc.php'; ?>
    <?php include 'includes/left-nav.inc.php'; ?>

    <main class="mdl-layout__content mdl-color--grey-50">
        <section class="page-content">

```

```

<div class="mdl-grid">

    <!-- mdl-cell + mdl-card -->
    <div class="mdl-cell mdl-cell--7-col card-lesson mdl-card mdl-shadow--2dp">
        <div class="mdl-card__title mdl-color--orange">
            <h2 class="mdl-card__title-text">Customers</h2>
        </div>
        <div class="mdl-card__supporting-text">
            <table class="mdl-data-table mdl-shadow--2dp">
                <thead>
                    <tr>
                        <th class="mdl-data-table__cell--non-numeric">Name</th>
                        <th class="mdl-data-table__cell--non-numeric">University</th>
                        <th class="mdl-data-table__cell--non-numeric">City</th>
                        <th>Sales</th>
                    </tr>
                </thead>
                <tbody>
                    <?php

                        foreach ($customers as $cust) {
                            echo '<tr>';
                            echo '<td class="mdl-data-table__cell--non-numeric"><a href="chapter13-
project3.php?customer=' . $cust->getId() . '">' . $cust->getFullName() . '</a></td>';
                            echo '<td class="mdl-data-table__cell--non-numeric">' . $cust->getUniversity() . '</td>';
                            echo '<td class="mdl-data-table__cell--non-numeric">' . $cust->getCity() . '</td>';
                            echo '<td><span class="inlinesparkline">' . $cust->getSales() . '</span></td>';
                            echo '</tr> ';
                        }
                    ?>

                </tbody>
            </table>
        </div>
    </div> <!-- / mdl-cell + mdl-card -->
    <div class="mdl-grid mdl-cell--5-col">

        <?php
            if ($_SERVER['REQUEST_METHOD'] == 'GET') {
                if (isset($_GET['customer'])) {
                    $requestedCustomer = $customers[$_GET['customer']];
                }
                <!-- mdl-cell + mdl-card -->
                <div class="mdl-cell mdl-cell--12-col card-lesson mdl-card mdl-shadow--2dp">
                    <div class="mdl-card__title mdl-color--deep-purple mdl-color-text--white">
                        <h2 class="mdl-card__title-text">Customer Details</h2>

```

```

</div>
<div class="mdl-card__supporting-text">
    <h4><?php echo $requestedCustomer->getFullName(); ?></h4>
    <?php echo $requestedCustomer->getUniversity(); ?><br>
    <?php echo $requestedCustomer->getAddress(); ?><br>
    <?php echo $requestedCustomer->getCity() . ', ' . $requestedCustomer->getCountry(); ?>

</div>
</div> <!-- / mdl-cell + mdl-card -->

<!-- mdl-cell + mdl-card -->
<div class="mdl-cell mdl-cell--12-col card-lesson mdl-card mdl-shadow--2dp">
    <div class="mdl-card__title mdl-color--deep-purple mdl-color-text--white">
        <h2 class="mdl-card__title-text">Order Details</h2>
    </div>
    <div class="mdl-card__supporting-text">

        <?php
        $orders = readOrders( $_GET['customer'], 'data/orders.txt' );
        if ( is_null($orders) ) {
            echo 'No orders for ' . $requestedCustomer->getFullName();
        } else {
            ?>

            <table class="mdl-data-table mdl-shadow--2dp">
            <thead>
            <tr>
                <th class="mdl-data-table__cell--non-numeric">Cover</th>
                <th class="mdl-data-table__cell--non-numeric">ISBN</th>
                <th class="mdl-data-table__cell--non-numeric">Title</th>
            </tr>
            </thead>
            <tbody>

                <?php foreach ($orders as $ord) {

                    echo '<tr>';
                    echo '<td></td>';
                    echo '<td>' . $ord->getIsbn() . '</td>';
                    echo '<td class="mdl-data-table__cell--non-numeric"><a href="chapter12-
project03.php?isbn=' . $ord->getIsbn() . '">' . $ord->getTitle() . '</td>';
                    echo '</tr> ';
                } ?>
            </tbody>
            </table>
        <?php } ?>
    </div>
</div> <!-- / mdl-cell + mdl-card -->

```



```
        <?php
        }
    } ?>
</div>
    </div> <!-- / mdl-grid -->
</section>
</main>
</div> <!-- / mdl-layout -->
</body>
</html>
```