

Thai Café

Database Project

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**Computer Science Department
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MySQL Code for Making the Tables

MySQL Code for Category Table

```
CREATE TABLE IF NOT EXISTS Category (
    category_name NVARCHAR(25) NOT NULL,
    PRIMARY KEY (category_name)
);
```

MySQL Code for Meat Table

```
CREATE TABLE IF NOT EXISTS Meat (
    meat_type NVARCHAR(15) NOT NULL,
    PRIMARY KEY (meat_type)
);
```

MySQL Code for Menu Table

```
CREATE TABLE IF NOT EXISTS Menu (
    menu_id INT(4) AUTO_INCREMENT,
    menu_name NVARCHAR(50) NOT NULL,
    meat_type NVARCHAR(15),
    menu_price NVARCHAR(20),
    menu_time NVARCHAR(10),
    spicy_level NVARCHAR(10),
    menu_category NVARCHAR(10) NOT NULL,
    UNIQUE (menu_name , meat_type),
    PRIMARY KEY (menu_id),
    CONSTRAINT menu_category_type FOREIGN KEY (menu_category)
        REFERENCES Category (category_name)
        ON DELETE CASCADE ON UPDATE CASCADE,
    CONSTRAINT menu_meat_type FOREIGN KEY (meat_type)
        REFERENCES Meat (meat_type)
        ON DELETE CASCADE ON UPDATE CASCADE
);
```

MySQL Code for PaymentType Table

```
CREATE TABLE IF NOT EXISTS PaymentType (
    payment_id INT(2) NOT NULL,
    payment_type NVARCHAR(5) NOT NULL,
    UNIQUE (payment_type),
    PRIMARY KEY (payment_id)
);
```

MySQL Code for Invoice Table

```
CREATE TABLE IF NOT EXISTS Invoice (
    invoice_id INT NOT NULL AUTO_INCREMENT,
    invoice_date DATE,
    invoice_amount DOUBLE,
    invoice_paymentType INT(2),
    PRIMARY KEY (invoice_id),
    CONSTRAINT invoice_1 FOREIGN KEY (invoice_paymentType)
        REFERENCES PaymentType (payment_id)
        ON DELETE RESTRICT ON UPDATE CASCADE
);
```

MySQL Code for Expense Table

```
CREATE TABLE IF NOT EXISTS Expense (
    expense_id INT NOT NULL AUTO_INCREMENT,
    expense_date DATE,
    expense_info NVARCHAR(100),
    expense_cost DOUBLE,
    expense_paymentType INT(2),
    PRIMARY KEY (expense_id),
    CONSTRAINT expense_1 FOREIGN KEY (expense_paymentType)
        REFERENCES PaymentType (payment_id)
        ON DELETE RESTRICT ON UPDATE CASCADE
);
```

How to Insert Data in Database

Sample of Inserting Category Data

```
INSERT INTO Category VALUES('Appetizer');
```

Sample of Inserting Meat Type Data

```
INSERT INTO Meat VALUE('Veggies');
```

Sample of Inserting Menu Data

```
INSERT INTO Menu (menu_name, meat_type, menu_price, menu_time, spicy_level,
                 menu_category)
VALUES('Chicken Satay', 'Chicken', '6.95', 'All Time', '0', 'Appatizer');
```

Sample of Inserting Payment Type Data

```
INSERT INTO PaymentType VALUES('1', 'Cash');
```

Sample of Inserting Invoice Data

```
INSERT INTO Invoice (invoice_date, invoice_amount, invoice_paymentType)
VALUES('2014-11-01', '25.79', '2');
```

Sample of Inserting Expense Data

```
INSERT INTO Expense (expense_date, expense_info, expense_cost, expense_paymentType)
VALUES('2014-11-01', 'Ingredient', '839.21', '2');
```

Queries which are used in the site

1. Query in search box in the header of every page.

- ```
SELECT *
 FROM Menu
 WHERE menu_name = '$menu';
```

### 2. Query for showing all menus in menu page and when a user clicks show all menus in add/delete menu page.

- ```
SELECT *
  FROM Menu;
```

3. Query for adding menus

- ```
INSERT INTO Menu (menu_name, meat_type, menu_price, menu_time,
 spicy_level, menu_category)
VALUES('$menu', '$meat', '$price', '$time', '$spicy', '$category');
```

### 4. Query for deleting menus

- ```
DELETE FROM Menu
 WHERE menu_name = '$menu'
 AND meat_type = '$meat';
```

5. Query for adding expense

- ```
INSERT INTO Expense (expense_date, expense_info, expense_cost,
 expense_paymentType)
VALUES('$date', '$info', $cost, $type);
```

## **6. Query for deleting expense**

- DELETE FROM Expense  
WHERE expense\_id = '\$expense\_id';

## **7. Query for searching expense**

### **I. A user specify all payment type**

- SELECT \*  
FROM Expense, PaymentType  
WHERE Expense.expense\_paymentType = PaymentType.payment\_id  
AND expense\_date BETWEEN '\$ex\_f' AND '\$ex\_t'  
ORDER BY expense\_date DESC;
- SELECT SUM(expense\_cost) AS total  
FROM Expense, PaymentType  
WHERE Expense.expense\_paymentType = PaymentType.payment\_id  
AND expense\_date BETWEEN '\$ex\_f' AND '\$ex\_t';

### **II. A user specify a specific payment type (cash or card)**

- SELECT \*  
FROM Expense, PaymentType  
WHERE Expense.expense\_paymentType = PaymentType.payment\_id  
AND expense\_date BETWEEN '\$ex\_f' AND '\$ex\_t'  
AND Expense.expense\_paymentType = '\$paymentType'  
ORDER BY expense\_date DESC;
- SELECT SUM(expense\_cost) AS total  
FROM Expense, PaymentType  
WHERE Expense.expense\_paymentType = PaymentType.payment\_id  
AND expense\_date BETWEEN '\$ex\_f' AND '\$ex\_t'  
AND Expense.expense\_paymentType = '\$paymentType';

## **8. Query for adding invoice**

- INSERT INTO Invoice (invoice\_date, invoice\_amount, invoice\_paymentType)  
VALUES('\$date', \$amount, \$type);

## **9. Query for deleting invoice**

- DELETE FROM Invoice WHERE invoice\_id = '\$invoice\_id';

## **10. Query for searching invoice**

### **I. A user specify all payment type**

- SELECT \*  
FROM Invoice, PaymentType  
WHERE Invoice.invoice\_paymentType = PaymentType.payment\_id  
AND invoice\_date BETWEEN '\$in\_f' AND '\$in\_t'  
ORDER BY invoice\_date DESC;
- SELECT SUM(invoice\_amount) AS total  
FROM Invoice, PaymentType  
WHERE Invoice.invoice\_paymentType = PaymentType.payment\_id  
AND invoice\_date BETWEEN '\$in\_f' AND '\$in\_t';

## II. A user specify a specific payment type

- ```
SELECT *
  FROM Invoice, PaymentType
 WHERE Invoice.invoice_paymentType = PaymentType.payment_id
   AND invoice_date BETWEEN '$in_f' AND '$in_t'
   AND Invoice.invoice_paymentType = '$paymentType'
 ORDER BY invoice_date DESC;
```
- ```
SELECT SUM(invoice_amount) AS total
 FROM Invoice, PaymentType
 WHERE Invoice.invoice_paymentType = PaymentType.payment_id
 AND invoice_date BETWEEN '$in_f' AND '$in_t'
 AND Invoice.invoice_paymentType = '$paymentType';
```

## Some interesting PHP

- **Connect to the Computer Science Department database**

```
<?php
 $hostname = 'cs-database:3306';
 $username = 'hputiprawan';
 $pwd = '1687904';
 $dbname = 'hputiprawan';

 @$dbc = mysql_connect($hostname, $username, $pwd);
 if (!$dbc){
 die('Not connected: ' . mysql_error());
 }

 $db_selected = mysql_select_db($dbname, $dbc);
 if (!$db_selected){
 die("Cannot connected: " . mysql_error());
 }
 echo "Database is connected successfully!";
?>
```

- **Handle clicked buttons**

```
if(isset($_POST['back'])) {
 echo("<script>location.href =
 'SuccessfulLogin.php?msg=$msg';</script>");
} elseif(isset($_POST['all'])) {
 include('ShowAllInvoice.php');
} elseif(isset($_POST['add'])) {
 echo("<script>location.href =
 'AddInvoice.php?msg=$msg';</script>");
}
```

- **Get values and add them to the database**

```
<?php
 include ('MyConnection.php');

 $date = $_POST['expense_date'];
 $info = $_POST['expense_info'];
 $cost = $_POST['expense_cost'];
 $type = $_POST['expense_paymentType'];

 mysql_query("INSERT INTO Expense
 (expense_date, expense_info, expense_cost,
 expense_paymentType)
 VALUES('$date', '$info', $cost, $type);")
 or die(mysql_error());
 echo("<script>location.href =
 'SuccessfulAddExpense.php?msg=$msg';</script>");
?
>
```

- **Get a value and delete it from the database**

```
<?php
 include ('MyConnection.php');

 $menu_id = $_GET['id'];

 $delquery = "DELETE FROM Menu WHERE menu_id = '$menu_id';";
 mysql_query($delquery)
 or die(mysql_error());

 echo("<script>location.href =
 'SuccessfulDeleteMenu.php?msg=$msg';</script>");
?
>
```

- **Display data from the database in table**

```

<?php
 include('myConnection.php');

 $query = "SELECT * FROM Menu";
 $result = mysql_query($query);

 // display
 echo "<table style='margin: 2px auto' border='1'
 bordercolor='#FF8000'>
 <tr> <th width='450px'> Menu </th>
 <th width='200px'> Meat </th>
 <th width='200px'> Spicy </th>
 <th width='200px'> Price </th></tr>";

 while($row = mysql_fetch_array($result)){

 $id = $row['menu_id'];
 $menu = $row['menu_name'];
 $meat = $row['meat_type'];
 $spicy = $row['spicy_level'];
 $price = $row['menu_price'];

 echo "<tr><td width='450px'> $menu </td>
 <td width='200px'> $meat </td>
 <td width='200px' align='center'> $spicy </td>
 <td width='200px' align='center'> $price </td>";
 }
 echo "</tr></table>";
?>
```

- **Login code**

```
<?php
 if(!isset($_SESSION)) {
 session_start();
 }
?>

<?php
 $user = $_POST['user'];
 $pass = $_POST['pwd'];

 if($user == "Hanna" && $pass == "1234"){
 $_SESSION['CurrentUser'] = $user;
 echo("<script>location.href =
'SuccessfulLogin.php?msg=$msg';</script>");
 } else {
 echo ("Login Fail!");
 }
?>
```

- **Stay login code**

```
<?php
 if(!isset($_SESSION)) {
 session_start();
 }

 if(isset($_SESSION['CurrentUser'])){
 } else {
 echo("<script>location.href = ' Login.php?msg=$msg';</script>");
 }
?>
```

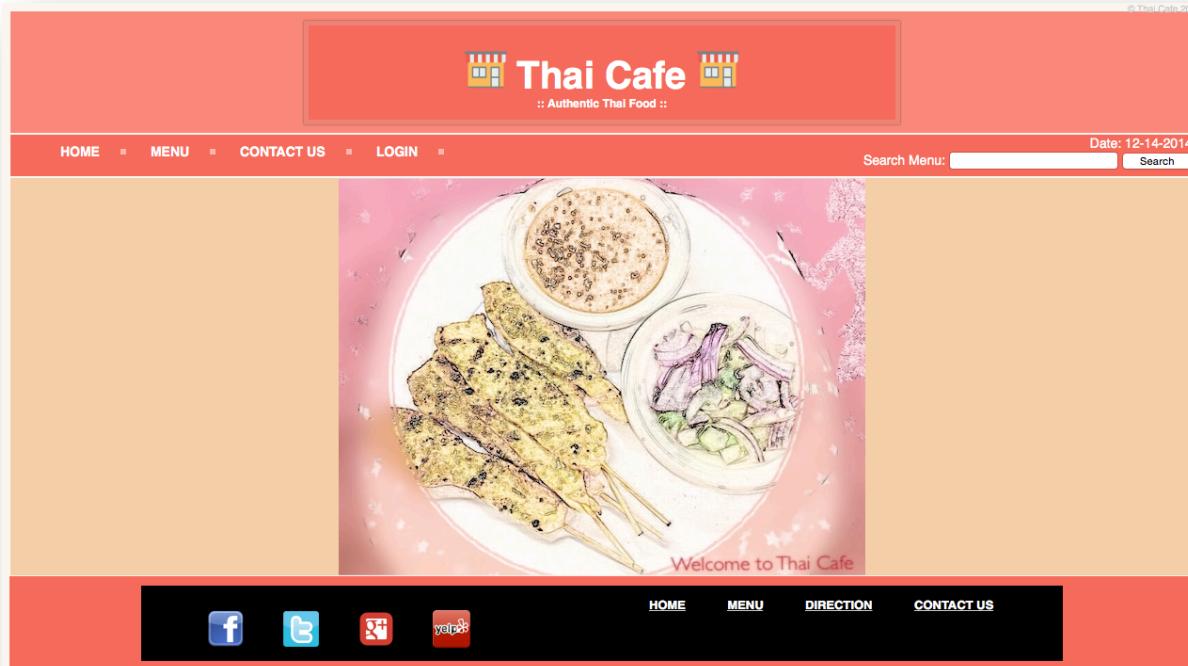
- **Logout code**

```
<?php
 session_start();

 if($_SESSION['CurrentUser']){
 session_destroy();
 echo("<script>location.href = ' Home.php?msg=$msg';</script>");
 }
?>
```

## Thai Café Website User Interface

### Home Page



### Menu Page

A screenshot of the Thai Café website's menu page. The header is identical to the home page, featuring the "Thai Café" logo and "Authentic Thai Food" tagline. The navigation bar includes links for HOME, MENU, CONTACT US, and LOGIN, along with a search bar and the date "Date: 12-14-2014". The main content area displays a table of menu items with columns for "Menu", "Meat", "Spicy", and "Price".

| Menu                             | Meat    | Spicy | Price |
|----------------------------------|---------|-------|-------|
| Chicken Satay                    | Chicken | 0     | 6.95  |
| Spring Rolls                     | Veggies | 0     | 5.95  |
| Tod Mun                          | Fish    | 1     | 6.95  |
| Tofu Tod                         | Tofu    | 0     | 4.95  |
| Thai Style Buffalo Wings         | Chicken | 0     | 6.95  |
| Tod Mun                          | Shrimp  | 0     | 6.95  |
| Larb                             | Chicken | 2     | 6.95  |
| Larb                             | Pork    | 2     | 6.95  |
| Larb                             | Beef    | 2     | 6.95  |
| Thai Café Chicken & Peanut Salad | Chicken | 0     | 6.95  |
| Roast Duck Salad                 | Duck    | 0     | 8.95  |
| Nam Sod                          | Chicken | 2     | 6.95  |
| Nam Sod                          | Pork    | 2     | 6.95  |
| Nam Sod                          | Beef    | 2     | 6.95  |
| Yum Woonsen                      | Chicken | 2     | 6.95  |
| Yum Ped Yang                     | Duck    | 2     | 8.95  |
| Yum Goong                        | Shrimp  | 2     | 8.95  |
| Yum Goong                        | Seafood | 2     | 10.95 |
| Vegetarian Soup                  | Veggies | 0     | 3.95  |
| Tom Ka Kai                       | Chicken | 0     | 4.95  |
| Tom Yum                          | Chicken | 0     | 4.95  |

## Contact Us Page



## Login Page (for employee only)

For this project I did not create a username table for storing username and password, because my client said they do not require having many usernames. So I decided to not make it. So for now the username is 'Hanna' and the password is '1234'.



## Login Menu Page (for employee only)

The screenshot shows the login menu page for employees. At the top center is the "Thai Cafe" logo with the tagline "Authentic Thai Food". Below the logo is a navigation bar with links: HOME, MENU, CONTACT US, LOGIN, and a personalized greeting "Hello! Hanna". To the right of the navigation bar is the date "Date: 12-14-2014" and a search bar labeled "Search Menu" with a "Search" button. The main content area is titled "Main Menu" and contains several buttons: Add Expense, Show Expense, Add Invoice, Show Invoice, Add/Delete Menu, and Logout. At the bottom of the page is a footer bar with social media icons for Facebook, Twitter, Google+, and Yelp, and links to HOME, MENU, DIRECTION, and CONTACT US.

## Add Expense Page (for employee only)

The screenshot shows the add expense page. At the top center is the "Thai Cafe" logo with the tagline "Authentic Thai Food". Below the logo is a navigation bar with links: HOME, MENU, CONTACT US, LOGIN, and a personalized greeting "Hello! Hanna". To the right of the navigation bar is the date "Date: 12-14-2014" and a search bar labeled "Search Menu" with a "Search" button. The main content area is titled "Adding Expense" and contains input fields for Date (2014-12-12), Info (Ingredient), Cost (35.21), and Payment Type (2). Below the input fields are two buttons: "Add" and "Back to Main Menu". At the bottom of the page is a footer bar with social media icons for Facebook, Twitter, Google+, and Yelp, and links to HOME, MENU, DIRECTION, and CONTACT US.

## Successful Added Expense Page (for employee only)

The screenshot shows the Thai Cafe website with a red header bar. The header features the "Thai Cafe" logo with two small building icons and the text "Authentic Thai Food ::". Below the header, the navigation menu includes "HOME", "MENU", "CONTACT US", "LOGIN", and a greeting "Hello! Hanna". On the right side of the header, it says "Date: 12-14-2014" and there is a search bar with "Search Menu:" and a "Search" button. The main content area has a light beige background. It displays a success message "Expense has been added!" and three buttons: "Add More Expense", "Show Expense", and "Back to Main Menu". At the bottom of the page is a black footer bar with social media icons for Facebook, Twitter, Google+, and Yelp, followed by links to "HOME", "MENU", "DIRECTION", and "CONTACT US".

## Show Expense Page (for employee only)

The screenshot shows the Thai Cafe website with a red header bar. The header features the "Thai Cafe" logo with two small building icons and the text "Authentic Thai Food ::". Below the header, the navigation menu includes "HOME", "MENU", "CONTACT US", "LOGIN", and a greeting "Hello! Hanna". On the right side of the header, it says "Date: 12-14-2014" and there is a search bar with "Search Menu:" and a "Search" button. The main content area has a light beige background. It displays a section titled "Show Expense" with fields for "From Date" (Month: 01, Day: 01, Year: 2014) and "To Date" (Month: 12, Day: 20, Year: 2014). It also shows a "Payment Type" dropdown set to "Cash". Below these fields are buttons for "Submit", "Back to Main Menu", "Show All Expense", and "Add Expense". A total amount of "Total is \$48030.44" is displayed. At the bottom is a table titled "Expense Info" with columns for "Date", "Expense Info", "Cost", "Payment Type", and "Delete". The table contains several rows of expense data, each with a "Delete" link in the last column.

| Date       | Expense Info | Cost   | Payment Type | Delete                 |
|------------|--------------|--------|--------------|------------------------|
| 2014-12-12 | Ingredient   | 35.21  | Card         | <a href="#">Delete</a> |
| 2014-11-25 | Ingredient   | 385.79 | Card         | <a href="#">Delete</a> |
| 2014-11-15 | Ingredient   | 6.02   | Cash         | <a href="#">Delete</a> |
| 2014-11-14 | Ingredient   | 352.31 | Card         | <a href="#">Delete</a> |
| 2014-11-13 | Ingredient   | 33.53  | Cash         | <a href="#">Delete</a> |
| 2014-11-13 | Ingredient   | 3      | Cash         | <a href="#">Delete</a> |
| 2014-11-12 | Ingredient   | 21     | Cash         | <a href="#">Delete</a> |

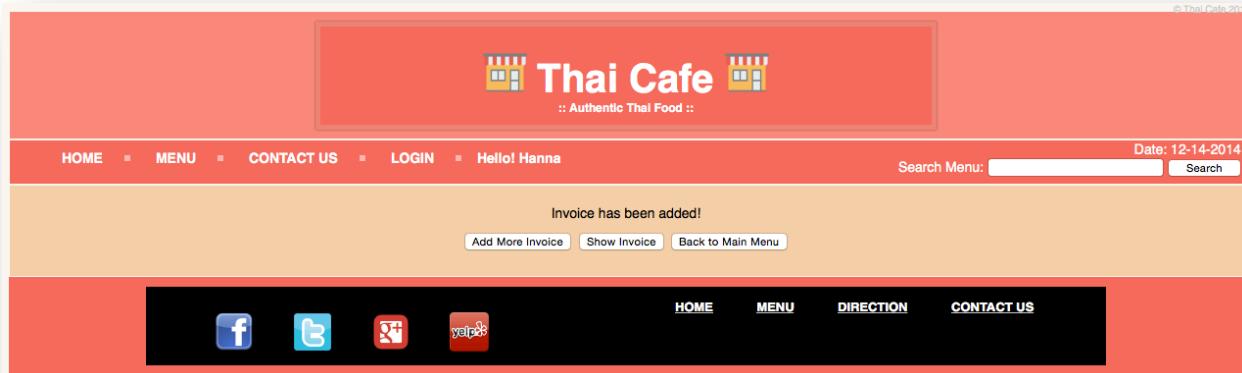
## Delete Expense Successfully (for employee only)

The screenshot shows the Thai Cafe website with a red header bar. The header features the "Thai Cafe" logo with two small building icons and the text "Authentic Thai Food ::". Below the header, a navigation bar includes links for HOME, MENU, CONTACT US, LOGIN, and a personalized greeting "Hello! Hanna". On the right side of the header, it says "Date: 12-14-2014" and there is a search bar labeled "Search Menu:" with a "Search" button. The main content area has a light beige background. It displays a success message: "Expense is deleted!" followed by three buttons: "Add More Expense", "Show Expense", and "Back to Main Menu". At the bottom of the page is a black footer bar containing social media icons for Facebook, Twitter, Google+, and Yelp, along with links for HOME, MENU, DIRECTION, and CONTACT US.

## Add Invoice Page (for employee only)

The screenshot shows the Thai Cafe website with a red header bar. The header features the "Thai Cafe" logo with two small building icons and the text "Authentic Thai Food ::". Below the header, a navigation bar includes links for HOME, MENU, CONTACT US, LOGIN, and a personalized greeting "Hello! Hanna". On the right side of the header, it says "Date: 12-14-2014" and there is a search bar labeled "Search Menu:" with a "Search" button. The main content area has a light beige background. It displays a form for adding an invoice with the instruction "Please add the invoice.". The form fields include: Date:  (Format: yyyy-mm-dd), Cost: , and Payment Type:  ('1' for Cash, '2' for Card). Below the form are "Submit" and "Back to Main Menu" buttons. At the bottom of the page is a black footer bar containing social media icons for Facebook, Twitter, Google+, and Yelp, along with links for HOME, MENU, DIRECTION, and CONTACT US.

## Added Invoice Successfully (for employee only)



## Show Invoice Page (for employee only)

The screenshot shows the Thai Cafe website with a red header containing the logo and text "Thai Cafe :: Authentic Thai Food ::". Below the header is a navigation bar with links for HOME, MENU, CONTACT US, LOGIN, and a greeting "Hello! Hanna". To the right of the navigation bar are search fields for "Search Menu:" and a "Search" button, with the date "Date: 12-14-2014" displayed above them. The main content area has a light orange background and displays a section titled "Show Invoice" with "From Date:" and "To Date:" input fields. The "From Date:" fields show Month: 01, Day: 01, Year: 2014. The "To Date:" fields show Month: 12, Day: 20, Year: 2014. Below these fields is a "Payment Type:" dropdown set to "All". At the bottom of this section are buttons for "Submit", "Back to Main Menu", "Show All Invoice", and "Add Invoice". A message "Total is \$4954.19" is displayed above a table. The table has columns for Date, Cost, Payment Type, and Delete. It lists several entries from November 10, 2014, to December 12, 2014, with costs ranging from 13.09 to 64.34 and payment types Cash or Card. Each entry has a "Delete" link in the last column.

| Date       | Cost  | Payment Type | Delete                 |
|------------|-------|--------------|------------------------|
| 2014-12-12 | 32.15 | Cash         | <a href="#">Delete</a> |
| 2014-11-10 | 22.11 | Card         | <a href="#">Delete</a> |
| 2014-11-10 | 13.09 | Card         | <a href="#">Delete</a> |
| 2014-11-10 | 21.43 | Card         | <a href="#">Delete</a> |
| 2014-11-10 | 32.41 | Card         | <a href="#">Delete</a> |
| 2014-11-10 | 64.34 | Card         | <a href="#">Delete</a> |
| 2014-11-10 | 10.00 | Card         | <a href="#">Delete</a> |

## Deleted Invoice Successfully (for employee only)

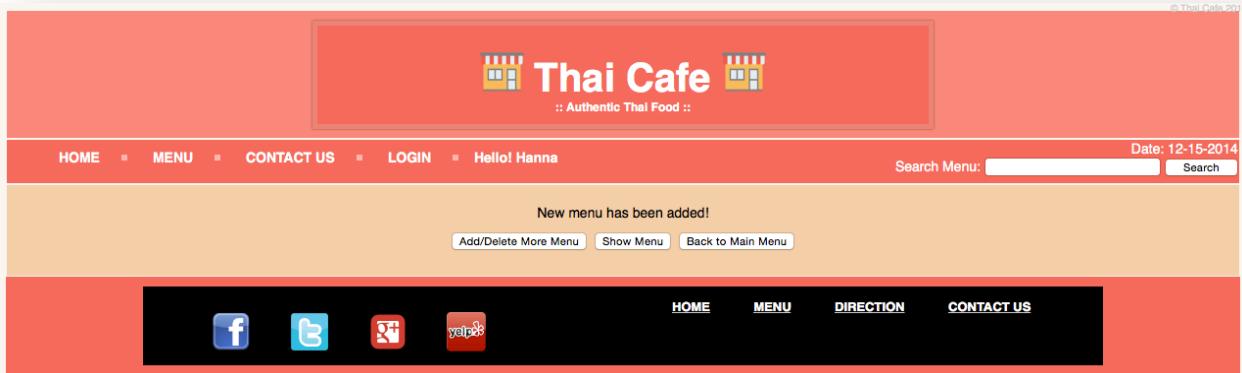
The screenshot shows the Thai Cafe website with a red header bar. In the center, there's a logo with two buildings and the text "Thai Cafe" below it, with "Authentic Thai Food ::" underneath. Below the header, a navigation bar includes links for HOME, MENU, CONTACT US, LOGIN, and a greeting "Hello! Hanna". To the right, the date "Date: 12-14-2014" is displayed along with a search bar labeled "Search Menu:" and a "Search" button. The main content area has a light orange background and displays the message "Invoice is deleted!" in a small box. Below this, there are three buttons: "Add Invoice", "Show Invoice", and "Back to Main Menu". At the bottom of the page, there's a black footer bar with social media icons for Facebook, Twitter, Google+, and Yelp, followed by links for HOME, MENU, DIRECTION, and CONTACT US.

## Add/Delete Menu Page (for employee only)

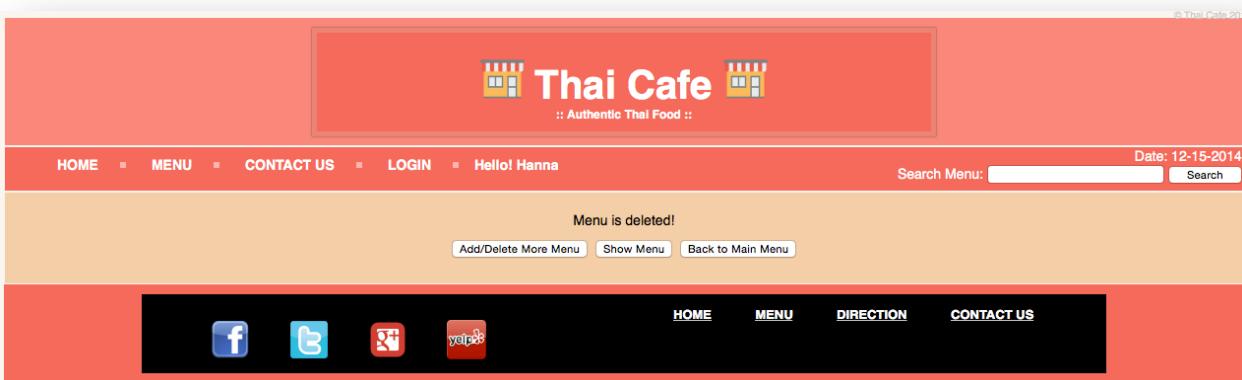
The screenshot shows the Thai Cafe website with a red header bar. The central logo and "Authentic Thai Food ::" text are present. The navigation bar includes HOME, MENU, CONTACT US, LOGIN, and "Hello! Hanna". The date "Date: 12-14-2014" and search bar are also visible. The main content area has a light orange background and displays a message "Please add/delete a menu!". Below this, there are several input fields for adding a new menu item: "Menu Name: New Menu" (with a note "(\* requires for add/delete)"), "Meat Type: Chicken" (with a note "(\* requires for add/delete)"), "Price: 9.95", "Time Serve: All Time" (with a note "(Default: 'All Time')"), "Spicy Level: 2" (with a note "(Input: '0' to '10')"), and "Category: Entrees". At the bottom of this section are three buttons: "Add", "Delete", and "Back to Main Menu". Below these buttons is a table listing existing menu items:

| Menu                             | Meat    | Spicy | Price | Delete                 |
|----------------------------------|---------|-------|-------|------------------------|
| Chicken Satay                    | Chicken | 0     | 6.95  | <a href="#">Delete</a> |
| Spring Rolls                     | Veggies | 0     | 5.95  | <a href="#">Delete</a> |
| Tod Mun                          | Fish    | 1     | 6.95  | <a href="#">Delete</a> |
| Tofu Tod                         | Tofu    | 0     | 4.95  | <a href="#">Delete</a> |
| Thai Style Buffalo Wings         | Chicken | 0     | 6.95  | <a href="#">Delete</a> |
| Tod Mun                          | Shrimp  | 0     | 6.95  | <a href="#">Delete</a> |
| Larb                             | Chicken | 2     | 6.95  | <a href="#">Delete</a> |
| Larb                             | Pork    | 2     | 6.95  | <a href="#">Delete</a> |
| Larb                             | Beef    | 2     | 6.95  | <a href="#">Delete</a> |
| Thai Cafe Chicken & Peanut Salad | Chicken | 0     | 6.95  | <a href="#">Delete</a> |
| Roast Duck Salad                 | Duck    | 0     | 8.95  | <a href="#">Delete</a> |
|                                  |         |       |       | <a href="#">Delete</a> |

**Added New Menu Successfully (for employee only)**



**Deleted Menu Successfully (for employee only)**



## Affirmation Document

### Affirmation Document

#### Final Database Implementation Affirmation

The database designed by Hutchaganit Putiprawan has been demonstrated for me.

I find that it .....does..... (does/does not) meet my needs.

Comments:

Print name and position: Atchara Chana (Manager)

Signature: A.C.