

## **4. IMPLEMENTATION**

The implementation phases in the period during which the system is used, the measure activities in the phase are

- Complete conversion.
- Operating system.
- Evaluate system performance.
- Maintain system and manage charge.

The implementation phase follows the development phase. Usually it is longest of the all life cycle phase and it is characterized by four distinct stages. Initially the new system must be introduced into business activity mainstream. This stage is called changeover.

The changeover transaction period may weeks or even months. After it is completed the system enters the operation and routing Maintenance State. Early in this state evolution should be made based on performance measurements that determine whether the specific benefits claimed for the system have been achieved. Finally the new system has all operational system must be able to accommodate change. Change is perhaps the most important state in the life of a computer based business system. Whether or not change can be managed is the final measure of success or failure of the entire system effort.

The principal activities and document that characterize the stage of the implement phases are:

### **System change over**

Normally a period of transaction is required to change from an old to new one. If all the development phase implementation activities have been performed adequately the necessary manuals and documentation for the new system are available. There is a nucleus of trained personnel to assumed responsibility for the new system. However it is critically important for the project team to remain heavily involved and in control changeover. Changeover usually is one way process will arise. System changeover is the important critical period in the entire period life cycle of the computer based system based system. Positive support by all customer organization is essential.

## Routine operation

All the conclusion of the changeover process the system has been operational for a reasonable period; its performance is formally evaluated. The result of the evaluation is documented in an evaluation report, which should be presented to a management review board.

## System change

The modern system environment is dynamic subject to many internal and external influences. The business environment Trigger a change request, which is then reviewed by management. This process may form a brief analysis of the requested change to an extensive investigation. This investigation could cause a return to the study phase, in which case the resulting new design and development activities might yield a greatly modified system.

### 4.1 SAMPLE CODE

```
<?php if ( ! defined('BASEPATH')) exit('No direct
script access allowed');

class CI_Config {
    var $_config_paths = array(APPPATH);
    function __construct()
    {
        $this->config =& get_config();
        log_message('debug', "Config Class
Initialized")
        if ($this->config['base_url'] == "")
        { if (isset($_SERVER['SERVER_ADDR']))
            {
                $base_url =
(empty($_SERVER['HTTPS']) OR
strtolower($_SERVER['HTTPS']) === 'off') ? 'http' :
'https';
```

```

        $base_url .=
            $base_url
            substr($_SERVER['SCRIPT_NAME'],
            strpos($_SERVER['SCRIPT_NAME'],
            basename($_SERVER['SCRIPT_FILENAME'])));
    }

    else
    {
        $base_url =
        'http://localhost/';
    }

    $this->set_item('base_url',
    $base_url);
}

}

function load($file = '', $use_sections = FALSE,
$fail_gracefully = FALSE)
{
    $file = ($file == '') ? 'config' :
    str_replace('.php', '', $file);
    $found = FALSE;
    $loaded = FALSE;

    $check_locations =
    defined('ENVIRONMENT')
        ? array(ENVIRONMENT.'/'.$file,
    $file)

```

```
        : array($file);

        foreach ($this->_config_paths as $path)
        {
            foreach ($check_locations as
$location)
            {
                $file_path =
$path.'config/'.$location.'.php';

                if (in_array($file_path, $this-
>is_loaded, TRUE))
                {
                    $loaded = TRUE;
                    continue 2;
                }

                if (file_exists($file_path))
                {
                    $found = TRUE;
                    break;
                }
            }

            if ($found === FALSE)
            {
                continue;
            }

            include($file_path);
        }
    }
}
```

```

        if ( ! isset($config) OR !
is_array($config))
        {
            if ($fail_gracefully ===
TRUE)
            {
                return FALSE;
            }
            show_error('Your
'. $file_path.' file does not appear to contain a valid
configuration array.');
```

```

        }

        if ($use_sections === TRUE)
        {
            if (isset($this->config[$file]))
            {
                $this->config[$file] =
array_merge($this->config[$file], $config);
            }
            else
            {
                $this->config[$file] =
$config;
            }
        }
        else
        {
            $this->config =
```

```
array_merge($this->config, $config);
    }

    $this->is_loaded[] = $file_path;
    unset($config);

    $loaded = TRUE;
    log_message('debug', 'Config file
loaded: '.$file_path);
    break;
}

if ($loaded === FALSE)
{
    if ($fail_gracefully === TRUE)
    {
        return FALSE;
    }
    show_error('The configuration file
'.$file.'.php does not exist.');
```

```
    }

    return TRUE;
}

function item($item, $index = '')
{
    if ($index == '')
    {
        if ( ! isset($this->config[$item]))
```

```

        {
            return FALSE;
        }

        $pref = $this->config[$item];
    }
    else
    {
        if ( ! isset($this->config[$index]))
        {
            return FALSE;
        }

        if      (      !      isset($this-
>config[$index][$item]))
        {
            return FALSE;
        }

        $pref      =      $this-
>config[$index][$item];
    }

    return $pref;
}

function slash_item($item)
{
    if ( ! isset($this->config[$item]))

```



```
        {
            return FALSE;
        }
        if( trim($this->config[$item]) == '' )
        {
            return '';
        }

        return rtrim($this->config[$item], '/').'/';
    }

    function site_url($uri = '')
    {
        if ($uri == '')
        {
            return $this->slash_item('base_url').$this->item('index_page');
        }

        if ($this->item('enable_query_strings') ==
FALSE)
        {
            $suffix = ($this->item('url_suffix')
== FALSE) ? '' : $this->item('url_suffix');
            return $this->slash_item('base_url').$this->
slash_item('index_page').$this->
uri_string($uri).$suffix;
        }
        else
```

```
        {
            return $this->
>slash_item('base_url').$this->
>item('index_page').'?'. $this->_uri_string($uri);
        }
    }

    function base_url($uri = '')
    {
        return $this->
>slash_item('base_url').ltrim($this->_uri_string($uri),
'/');
    }
    protected function _uri_string($uri)
    {
        if ($this->item('enable_query_strings') ==
FALSE)
        {
            if (is_array($uri))
            {
                $uri = implode('/', $uri);
            }
            $uri = trim($uri, '/');
        }
        else
        {
            if (is_array($uri))
            {
                $i = 0;
                $str = "";
```

```
        foreach ($uri as $key =>
$val)
        {
            $prefix = ($i == 0) ? ''
: '&';
            $str .=
$prefix.$key.'='.$val;
            $i++;
        }
        $uri = $str;
    }
}
return $uri;
}
```

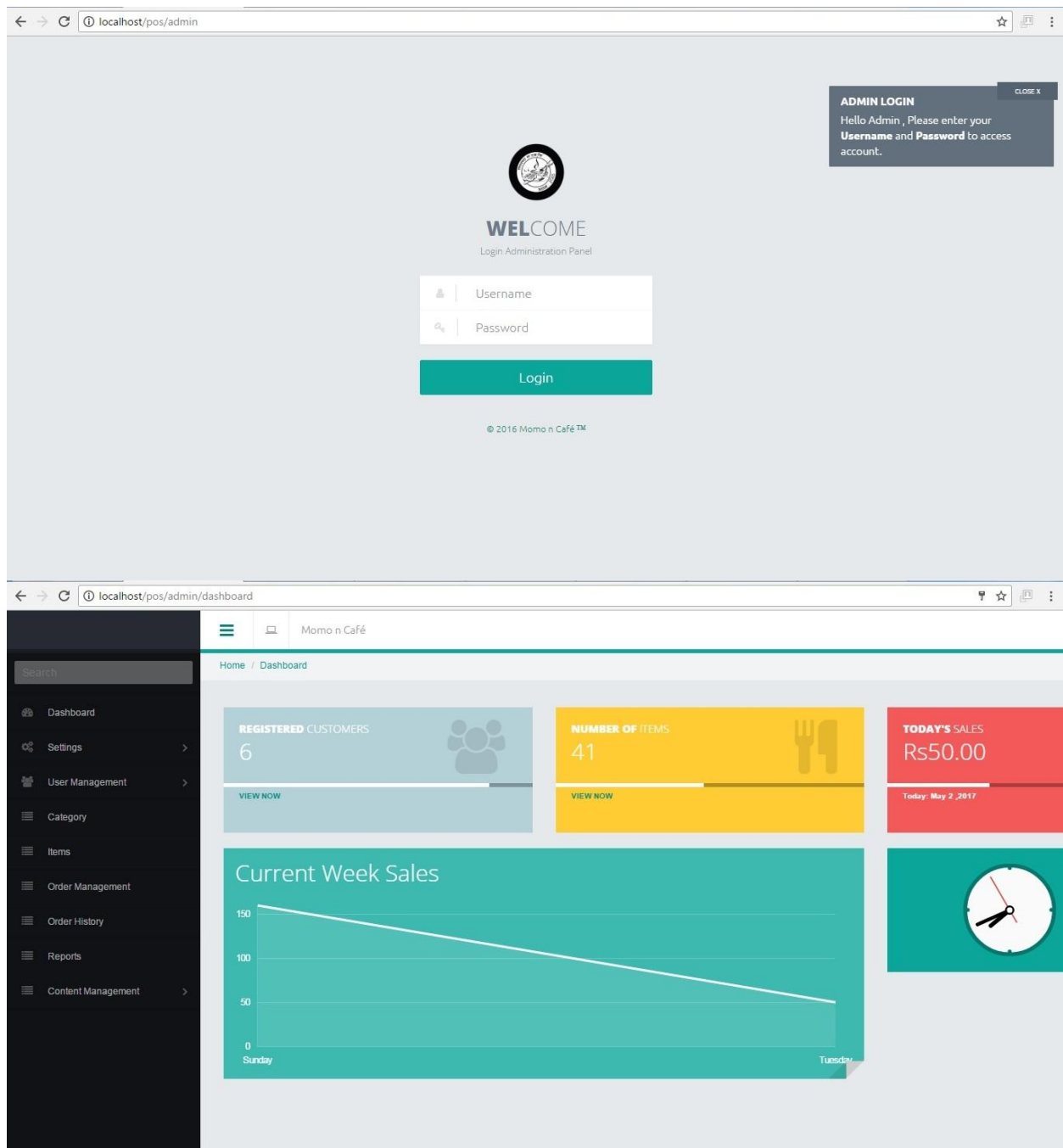
```
function system_url()
{
    $x = explode('/',
preg_replace('/|*(.+?)/*$|', '\\1', BASEPATH));
    return $this-
>slash_item('base_url').end($x).'/';
}
```

```
function set_item($item, $value)
{
    $this->config[$item] = $value;
}
```

```
function _assign_to_config($items = array())  
{  
    if (is_array($items))  
    {  
        foreach ($items as $key => $val)  
        {  
            $this->set_item($key, $val);  
        }  
    }  
}  
  
// END CI_Config class  
  
/* End of file Config.php */  
/* Location: ./system/core/Config.php */
```

Online point of sale

## 4.2 SCREENSHOTS



## Online point of sale

The image displays two screenshots of a web-based point of sale (POS) system. The top screenshot shows the 'Create Order' page, and the bottom screenshot shows the 'Reports' page.

**Top Screenshot: Create Order**

The page title is 'Home / Order / Create'. The browser address bar shows 'localhost/pos/admin/order/create'. The user is logged in as 'Hi, Amar'.

On the left is a sidebar with icons for various functions. The main content area includes:

- A search bar: 'Enter Item Name or Code'.
- A table of items:

	Item Name	Price	Qty	Total
<input checked="" type="checkbox"/>	CHICKEN CHOWMEIN	Rs. 70.00	1	Rs. 70.00
<input checked="" type="checkbox"/>	CHICKEN C MOMO	Rs. 80.00	1	Rs. 80.00
<input checked="" type="checkbox"/>	CHICKEN FRIED MOMO	Rs. 70.00	1	Rs. 70.00
<input checked="" type="checkbox"/>	Chicken Soup	Rs. 60.00	1	Rs. 60.00

On the right side, there are additional form fields:

- Bill Number: 24
- Customer selection: ☒ Registered ☐ Not Registered ☐ Non
- Customer Name / Code: Enter Customer Name / Code
- Customer Info: Amar Shrestha, Contact No: 2454545454666
- Tax/Charges: GST: 13 %, Service Charge: 10 %, Discount: 0 %
- Delivery Charge: (input field)

**Bottom Screenshot: Reports**

The page title is 'Home / Reports'. The browser address bar shows 'localhost/pos/admin/reports'. The user is logged in as 'Hi, Amar'.

The main content area shows the 'DATE Range' section with a 'Select Date Range' button. Below this, there is a 'Date Range' section with a 'Select Date Range' input field. A calendar widget is displayed, showing two calendars for May 2017. The 'FROM' date is 2017-05-02 and the 'TO' date is 2017-05-02. The calendar shows the dates from Sunday to Saturday, with the 2nd of May highlighted in blue.

## Online point of sale

localhost/pos/admin/order

Hi, Amar

Home / Order

ORDER History


Order History

Search...

10

SN	Bill Number	Customer Name	Customer Type	Order Date	Action
1	#23	Rasmi Singh	Registered	May 2 ,2017 - 14:30:34 PM	
2	#22	Rasmi Singh	Registered	April 30 ,2017 - 14:23:09 PM	
3	#21	Amit Shrestha	Registered	April 29 ,2017 - 03:54:59 AM	
4	#18	Anwar Abdullah Ahmed	Registered	April 26 ,2017 - 08:20:23 AM	
5	#19	Sumi Shrestha	Registered	April 26 ,2017 - 08:23:25 AM	
6	#20	Customer Detail Not Available	Registered	April 26 ,2017 - 08:32:52 AM	

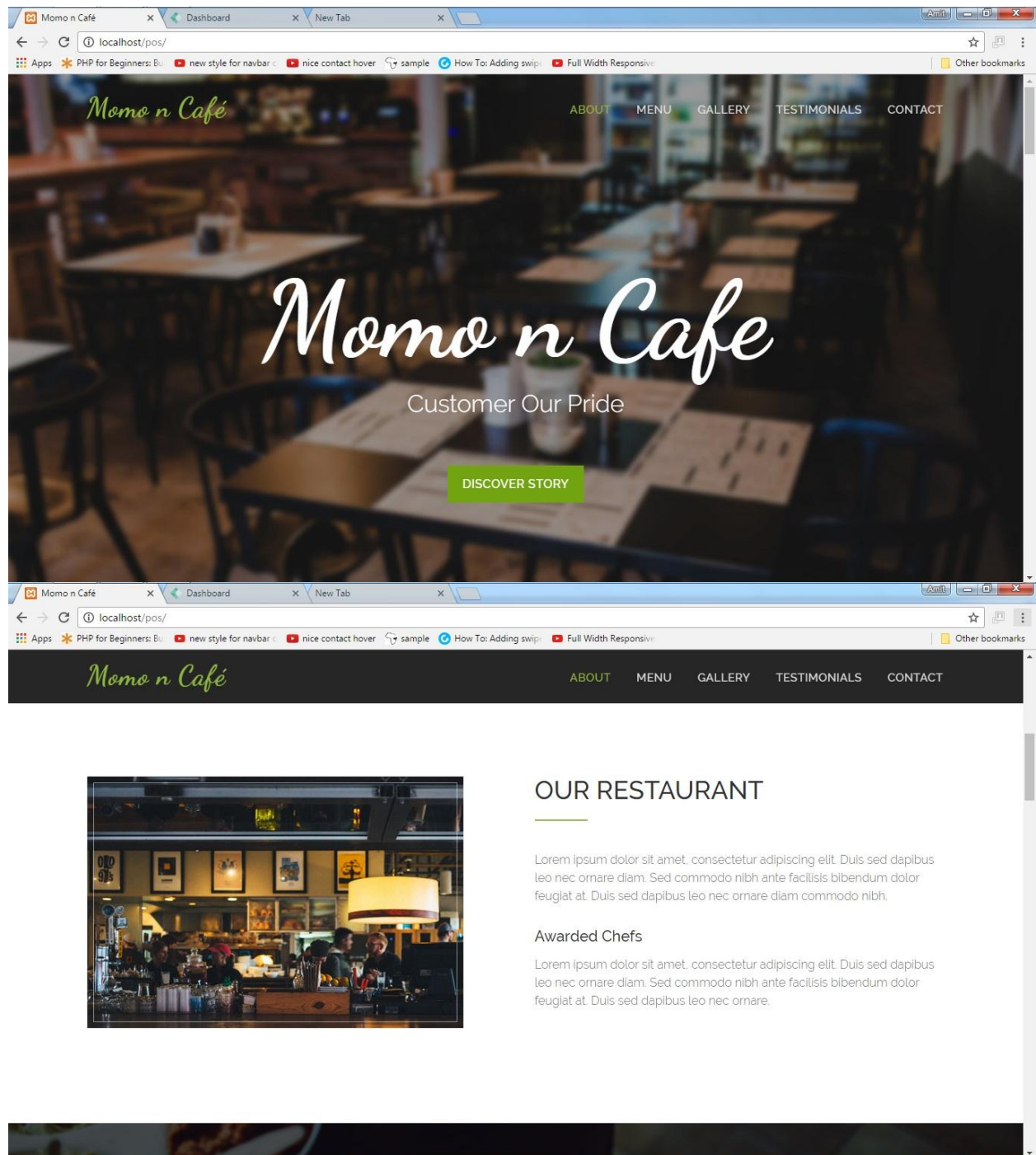
localhost/pos/admin/order/generate\_bill/58



Bill NO. #23  
Date: May 2 ,2017  
Time: 14:30:34 PM

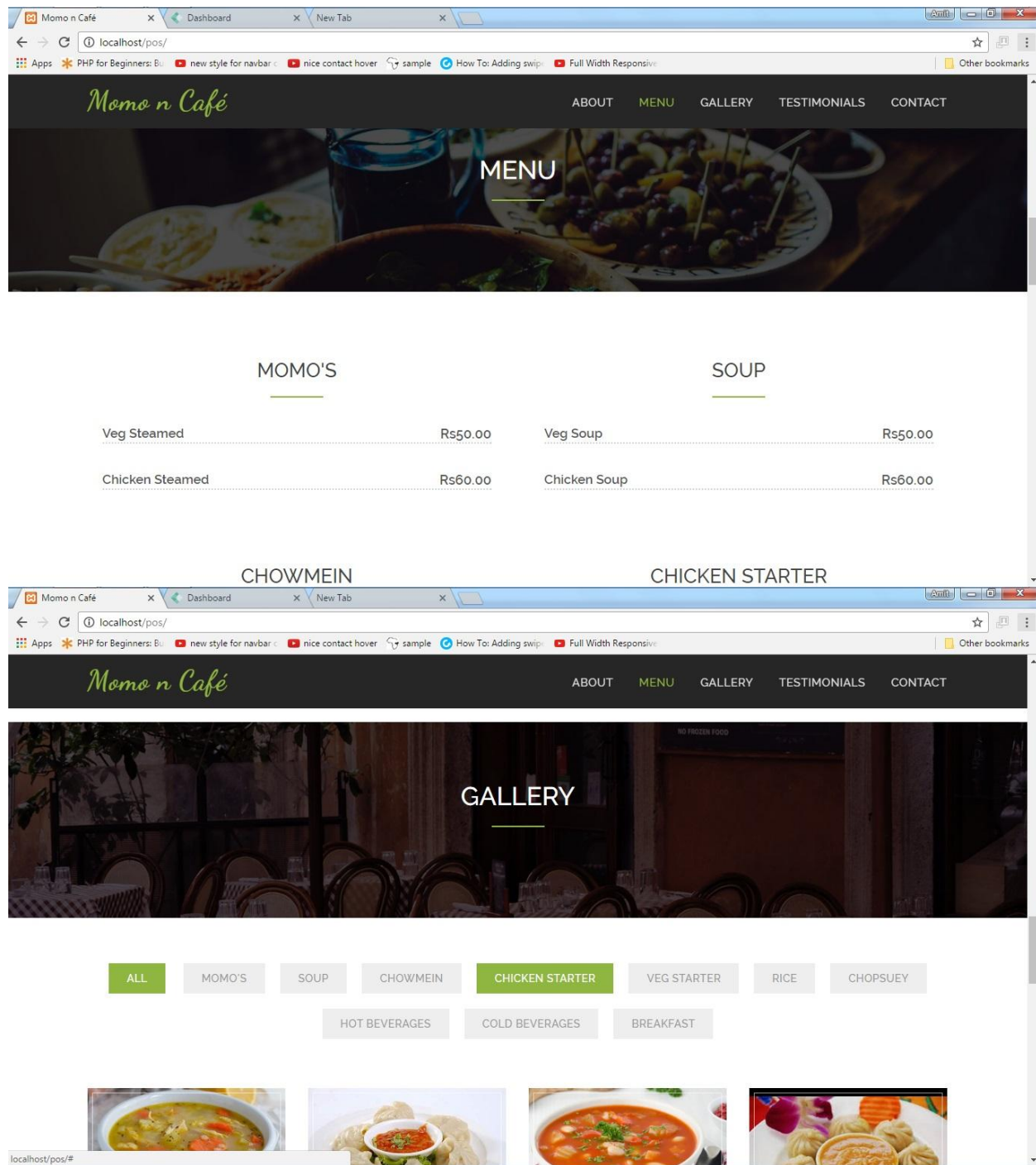
#	Item	Price	Qty	Total
1	Veg Soup	50	1	50

- TAX Amount: Rs0.00
- Service Charge: Rs0.00
- Discount : Rs0.00
- Delivery Charge: Rs0.00
- Grand Total: Rs50.00





## Online point of sale



## Online point of sale

The image displays two screenshots of a web browser showing the 'Momo n Café' website. The browser tabs include 'Momo n Café', 'Dashboard', and 'New Tab'. The address bar shows 'localhost/pos/'. The website has a dark header with the logo 'Momo n Café' and navigation links: ABOUT, MENU, GALLERY, TESTIMONIALS, and CONTACT. The first screenshot shows the 'TESTIMONIALS' page with a background image of a cafe interior. Below the header, there is a green banner with the text 'WANT TO MAKE A RESERVATION? CALL +91-9972786025'. The second screenshot shows the 'CONTACT FORM' page. It features a form with three input fields: 'Name', 'Email', and 'Message'. Below the form is a green button labeled 'SEND MESSAGE'. At the bottom of the page, there is a dark footer with three columns of information: ADDRESS (K.Narayanpura, Kothanur, Bangalore-560077), OPENING HOURS (Tue-Thurs. 10.00 AM - 10.00 PM, Monday Holiday), and CONTACT INFO (Phone: +91-9972786025, Email: info@momocafe.com).

Momo n Café

ABOUT MENU GALLERY TESTIMONIALS CONTACT

### TESTIMONIALS

WANT TO MAKE A RESERVATION? CALL +91-9972786025

Momo n Café

ABOUT MENU GALLERY TESTIMONIALS CONTACT

### CONTACT FORM

Name Email

Message

SEND MESSAGE

ADDRESS  
K.Narayanpura, Kothanur,  
Bangalore-560077

OPENING HOURS  
Tue-Thurs. 10.00 AM - 10.00 PM  
Monday Holiday

CONTACT INFO  
Phone: +91-9972786025  
Email: info@momocafe.com

## Online point of sale

The image displays two screenshots of the Momo n Café POS system interface. The top screenshot shows the 'Sales Report' page, and the bottom screenshot shows the 'Category List' page.

**Sales Report Page:**

- Header: Momo n Café
- Breadcrumbs: Home / Reports / Generate Report
- Section: SALES Report
- Date Range: 2017-04-18 - 2017-04-23
- Button: Export to Excel Sheet
- Search bar: Search...
- Table columns: SN, Bill No, Name, Customer Type, Order Date, Total
- Table content: No data available in table
- Footer: Showing 0 to 0 of 0 entries

**Category List Page:**

- Header: Momo n Café
- Breadcrumbs: Home / Category
- Section: CATEGORY List
- Section: List of Category
- Button: + Add New Category
- Search bar: Search...
- Table columns: Name, Slug, Status, Action
- Table content:

	Name	Slug	Status	Action
<input type="checkbox"/>	Momo's	momo_s	Active	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	Soup	soup	Active	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	Chowmein	chowmein	Active	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	Chicken Starter	chicken_starter	Active	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/>	Veg Starter	veg_starter	Active	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

## Online point of sale

The screenshot shows a web browser window with the URL `localhost/pos/admin/order/create`. The page title is "Momo n Café". The interface includes a sidebar with navigation icons and a main content area with the following elements:

- Search Bar:** A text input field labeled "Enter Item Name or Code".
- Table:** A table with columns: Item Name, Price, Qty, and Total.
- Bill Number:** A text input field containing the value "18".
- Customer Selection:** Radio buttons for "Registered", "Not Registered", and "Non". Below them is a text input field labeled "Enter Customer Name / Code" and the text "No Customer Select".
- Tax and Charges:** Checkboxes for "GST" (13%) and "Service Charge" (10%). A red text prompt says "Please check the box to include the charge". Below this are input fields for "Discount" (0) and "Delivery Charge" (0).