

CI and Bootstrap Assignment

Pharmacy Management System

Name : Uthpala I S

Index No :18001752

Reg No: 2018CS175

INTRODUCTION

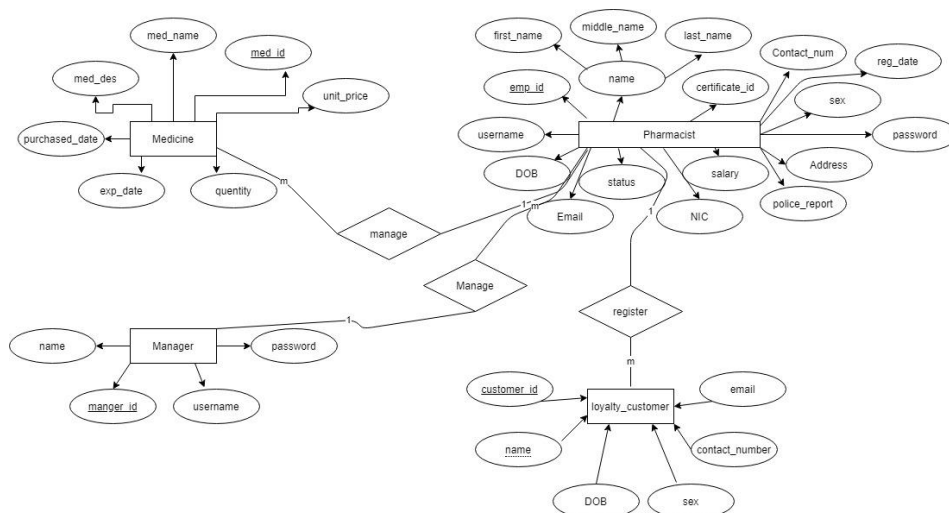
STAKEHOLDERS

- Pharmacist
- Manager

FUNCTIONALITIES

- Manage Pharmacist –authorized to Manager
- Manage Medicine Details- authorized to Pharmacist
- Manage Loyalty Customers – authorized to Pharmacist, Deletion authorized to Manager

PROJECT SUMMERY



IMPLEMENTATION

1. Import pharmacist.sql to phpmyadmin.
2. After upload CI folder to xampp/htdocs , type url <http://localhost/ci/index.php/UserLogin/login> and implement it.
3. There are two forms to Manager and Pharmacist to log to the system.
4. After log in they can do functionalities.
5. Manager log in information : Username : mala
Password :Su#12345
Assume that there is have only one manager.
6. Initial Pharmacist Username : ID: 001
Username ; suthpala98
Password : Su#123456

USER INTERFACES

Log in Form

The screenshot shows a web browser window with the URL `localhost/ci/index.php/UserLogin/login`. The page is divided into two main sections: a dark grey section for the Pharmacist login and a red section for the Manager login. Both sections have a 'Login Form' with fields for 'User Name' and 'Password', and a 'SIGN IN' button.

Registration(Medicine/Customer/Pharmacist)

The image shows two side-by-side registration forms. The left form is for 'Medicine' registration, with fields for Medicine ID, Medicine Name, Medicine Description, Unit Price, Quantity, Purchased Date, Expired Date, Pharmacist ID, and Medicine Image. The right form is for 'Customer' registration, with fields for Customer ID, Customer Name, Date Of Birth, gender, Contact Number, E mail, Pharmacist ID, and Registered Date. Both forms have a 'Submit' button.

Retrieve(Medicine/Customer/Pharmacist)

Medicine ID	Medicine Name	Medicine Description	Unit Price	Quantity	Purchased Date	Expired Date	Employee ID
401	metformin	For diabetics	5.6	1000	2020-08-03 00:15:16	2020-01-01	1
403	vitamin C	vitamins	0.25	200	2015-01-02 00:00:00	2020-01-02	1
404	vitamin B	vitamins	0.5	300	2015-01-02 00:00:00	2018-03-05	1

[BACK TO HOME PAGE](#)

Delete(Medicine/Customer/Pharmacist)

The screenshot shows a blue form titled 'DELETE MEDICINE'. It has a label 'Enter Medicine ID:' followed by a text input field and a 'DELETE' button.

Update(Medicine/Customer/Pharmacist)

Medicine Update

Enter Medicine ID :

Select Field :

Medicine Name 

Data :

[Download Medicine Detail In PDF](#)

Report

(About Medicine by Manager)

IMPLEMENTATION

Insert Data to Database Table

controller/Form

```
public function insert(){
    $this->load->view("med_reg_form");

    if($this->input->post('submit')){
        $id=$this->input->post('med_id');
        $name=$this->input->post('med_name');
        $description=$this->input->post('med_des');
        $unit_price=$this->input->post('unit_price');
        $quantity=$this->input->post('quantity');
        $purchased_date=$this->input->post('purchased_date');
        $exp_date=$this->input->post('exp_date');
        $config['upload_path']='../upload/';
        $config['allowed_types']='gif|jpg|png';
        $config['max_size']=2000;
        $config['max_width']=1500;
        $config['max_height']=1500;

        $this->load->library('upload',$config);

        if(!$this->upload->do_upload('medicine_pic')){
            $error=array('error'=>$this->upload->display_errors());
        }
        $emp_id=$this->input->post('emp_id');
        $this->Med_Model->save_med_records($id,$name,$description,$unit_price,$quantity,$purchased_date,$exp_date,$emp_id);
        $this->load->view('successReg');
        $this->load->view('backHome');
    }
}
```

[illegible]

Med Model

```
public function save_med_records($med_id,$med_name,$med_des,$unit_price,$quantity,$purchased_date,$exp_date,$emp_id){
    $query="INSERT INTO medicine VALUES ('$med_id','$med_name','$med_des','$unit_price','$quantity','$purchased_date','$exp_date','$emp_id');";
    $this->db->query($query);
}
```

Retrieve Data

controller/Form/medModel

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
  <title>View Medicine</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" type="text/css" href="/?php echo base_url(); ?>/bootstrap/css/bootstrap.css">
  <link rel="stylesheet" type="text/css" href="/?php echo base_url(); ?>/bootstrap/css/main3.css">
  <script type="text/javascript" src="/?php echo base_url(); ?>/bootstrap/js/bootstrap.js"></script>
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q81/X+965Dz08r77abK41751QTA" </script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/umd/popper.min.js" integrity="sha384-Uo"
</head>
<body>
  <div class="container display">
    <br><br><br>
    <table border="0" align="center" width="100%">

      <tr style="background-color:#42a5f5;">
        <th>Medicine ID</th>
        <th>Medicine Name</th>
        <th>Medicine Description</th>
        <th>Unit Price</th>
        <th>Quantity</th>
        <th>Purchased Date</th>
        <th>Expired Date</th>
        <th>Employee ID</th>
      </tr>
      <tr>
        <?php
        <?foreach($data as $row){
          echo "<tr>";
          echo "<td>".$row->med_id."</td>";
          echo "<td>".$row->med_name."</td>";
          echo "<td>".$row->med_des."</td>";
          echo "<td>".$row->unit_price."</td>";
          echo "<td>".$row->quantity."</td>";
          echo "<td>".$row->purchased_date."</td>";
          echo "<td>".$row->exp_date."</td>";
          echo "<td>".$row->emp_id."</td>";
          echo "</tr>";
        }
        </tr>
      </table>
    </div>
  </body>
</html>
```

```
public function retrieve(){
    $result['data']=$this->Med_Model->display_med();
    $this->load->view("med_display",$result);
    $this->load->view("backHome");
}
```

```
public function display_med(){
    $query=$this->db->query("SELECT * FROM medicine;");
    return $query->result();
}
```

Update Data

controller/Form/medModel

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
  <title>Medicine Update</title>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" type="text/css" href="/?php echo base_url(); ?>/bootstrap/css/delete.css">
  <link rel="stylesheet" type="text/css" href="/?php echo base_url(); ?>/bootstrap/css/bootstrap.css">
  <script type="text/javascript" src="/?php echo base_url(); ?>/bootstrap/js/bootstrap.js"></script>
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q81/X+965Dz08r77abK41751QTA" </script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/umd/popper.min.js" integrity="
</head>
<body>
  <div class="container delete">
    <form class="" action="" method="post">
      <center><h3>Medicine Update</h3></center>
      <table border="0" align="center">

        <tr>
          <td>Enter Medicine ID :</td>
          <td><input type="text" name="id"></td>
        </tr>
        <tr>
          <td>Select Field :</td>
          <td>
            <select name="field">
              <option value="med_name">Medicine Name</option>
              <option value="med_des">Medicine Description</option>
              <option value="unit_price">Unit Price</option>
              <option value="quantity">Quantity</option>
              <option value="purchased_date">Purchased Date</option>
              <option value="exp_date">Expired Date</option>
            </select>
          </td>
        </tr>
        <tr>
          <td>Data :</td>
          <td><input type="text" name="data"></td>
        </tr>
        <tr>
          <td></td>
          <td><input type="submit" name="update" value="Update"></td>
        </tr>
      </table>
    </form>
  </div>
</body>
</html>
```

```
public function update_med($option,$id,$data){
    $query=$this->db->query("UPDATE medicine SET $option='$data' WHERE med_id='$id'");
}
```

```
public function update(){
    $this->load->view("med_update.html");
    if ($this->input->post('update')) {
        $field=$this->input->post('field');
        $id=$this->input->post('id');
        $change=$this->input->post('data');
        $this->Med_Model->update_med($field,$id,$change);
        $this->load->view('updateSuccess');
        $this->load->view('backHome');
    }
}
```

Delete Data

controller/Form/medModel

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>View Medicine</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" type="text/css" href="{?php echo base_url(); ?}/bootstrap/css/bootstrap.css">
    <link rel="stylesheet" type="text/css" href="{?php echo base_url(); ?}/bootstrap/css/main3.css">
    <script type="text/javascript" src="{?php echo base_url(); ?}/bootstrap/js/bootstrap.js"></script>
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+9654zql8Ck4Zdr20+T6vMPK48Z628w+06Q5Mede00" crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js" integrity="sha384-Uo2eKJKyBISUA6LDhLJBZNM1963ORUOI216" integrity="sha384-Uo2eKJKyBISUA6LDhLJBZNM1963ORUOI216"></script>
  </head>
  <body>
    <div class="container display">
      <br><br><br>
      <table border="0" align="center" width="100%">
        <tr style="background-color:#42a5f5;">
          <th>Medicine ID</th>
          <th>Medicine Name</th>
          <th>Medicine Description</th>
          <th>Unit Price</th>
          <th>Quantity</th>
          <th>Purchased Date</th>
          <th>Expired Date</th>
          <th>Employee ID</th>
        </tr>
        <?php
          foreach($data as $row){
            echo "<tr>";
            echo "<td>". $row->med_id."</td>";
            echo "<td>". $row->med_name."</td>";
            echo "<td>". $row->med_des."</td>";
            echo "<td>". $row->unit_price."</td>";
            echo "<td>". $row->quantity."</td>";
            echo "<td>". $row->purchased_date."</td>";
            echo "<td>". $row->exp_date."</td>";
            echo "<td>". $row->emp_id."</td>";
            echo "</tr>";
          }
        </?php>
      </table>
    </div>
  </body>
</html>
```

```
public function retrieve(){
    $result['data']=$this->Med_Model->display_med();
    $this->load->view('med_display',$result);
    $this->load->view('backHome');
}
```

```
public function display_med(){
    $query=$this->db->query("SELECT * FROM medicine;");
    return $query->result();
}
```

Report

Controller/product.php

```
<?php
class Product extends CI_Controller{
    public function generate_pdf() {

        $this->load->library('PDF');

        $pdf = new Pdf(PDF_PAGE_ORIENTATION, PDF_UNIT, PDF_PAGE_FORMAT, true, 'UTF-8', false);

        $pdf->setCreator(PDF_CREATOR);
        $pdf->setAuthor('Manager');
        $pdf->setTitle('Information About Medicines');
        $pdf->setSubject('Report generated using Codeigniter and TCPDF');
        $pdf->setKeywords('TCPDF, PDF, MySQL, Codeigniter');

        $pdf->setHeaderFont(Array(PDF_FONT_NAME_MAIN, '', PDF_FONT_SIZE_MAIN));
        $pdf->setFooterFont(Array(PDF_FONT_NAME_DATA, '', PDF_FONT_SIZE_DATA));

        $pdf->setDefaultMonospacedFont(PDF_FONT_MONOSPACE);

        $pdf->setMargins(PDF_MARGIN_LEFT, PDF_MARGIN_TOP, PDF_MARGIN_RIGHT);
        $pdf->setHeaderMargin(PDF_MARGIN_HEADER);
        $pdf->setFooterMargin(PDF_MARGIN_FOOTER);

        $pdf->setAutoPageBreak(TRUE, PDF_MARGIN_BOTTOM);

        $pdf->setImageScale(PDF_IMAGE_SCALE_RATIO);

        $pdf->setFont('times', 'BI', 12);

        $template = array(
            'table_open' => 'table border="1" cellpadding="2" cellspacing="1" '
        );

        $this->table->set_template($template);

        $this->table->set_heading('Medicine ID', 'Medicine Name', 'Medicine Description', 'Unit Price', 'Quantity', 'Purchased Date', 'Expired Date', 'Emp
        $salesinfo = $this->Med_Model->display_med();

        foreach ($salesinfo as $sf):
            $this->table->add_row($sf->med_id, $sf->med_name, $sf->med_des, $sf->unit_price, $sf->quantity, $sf->purchased_date, $sf->exp_date, $sf->emp_id)
        endforeach;

        $html = $this->table->generate();

        $pdf->addPage();

        $pdf->writeHTML($html, true, false, true, false, '');

        $pdf->lastPage();

        $pdf->Output(md5(time()).'.pdf', 'D');
    }
}
```

Libraries/pdf.php

```
<?php

if(!defined('BASEPATH')) exit('No direct script access allowed');

require_once dirname(__FILE__) . '/tcpdf/tcpdf.php';

class Pdf extends TCPDF {

    function __construct() {
        parent::__construct();

        public function Header() {

            $this->SetFont('helvetica', 'B', 20);

            $this->Cell(0, 15, 'Medicine Information', 0, false, 'C', 0, '', 0, false, 'N', 'M');

        }

        public function Footer() {

            $this->SetY(-15);

            $this->SetFont('helvetica', 'I', 8);

            $this->Cell(0, 10, 'Page '.$this->getAliasNumPage().'/'.$this->getAliasNumPages(), 0, false, 'C', 0, '', 0, false, 'T', 'M');

        }

    }
}
```

PROBLEMS ENCOUNTERED AND REFERENCES

- Bootstrap Color Code : Ref : <https://mdbootstrap.com/docs/jquery/css/colors/>
- How to add Button in Bootstrap : Ref : <https://getbootstrap.com/docs/4.3/layout/overview/>
- Generate PDF Report from mySql database Using codeigniter : Ref : <https://www.roytuts.com/generate-pdf-report-from-mysql-database-using-codeigniter/>