PHP Task round (Mini Project)

Billing calculation

1.Create a HTML form with provision to enter customer email, add products to bill and input amount.

<form action="calculate\_bill.php" method="POST">

<div>

<div class="company-details" style="width: 40%;position: relative;">

<div class="company-name">

<input type="text" id="user-company" maxlength="200" name="user\_company" placeholder="Your Company Name" style="border: 1px solid #6A6A6A;padding: 0 10px;width: 100%;height: 40px;

border-radius: 5px;margin: 10px 0;" data-gtm-form-interact-field-id="0">

</div>

<div class="company-addr">

<textarea rows="4" id="user-company-addr" maxlength="1000" name="user\_addr" placeholder="Company Address" style="border: 1px solid #6A6A6A;height: 70px;padding: 0 10px;

width: 100%;border-radius: 5px;margin: 10px 0;resize: none;" data-gtm-form-interact-field-id="1"></textarea>

</div>

</div>

<div class="row" style="margin-top: 0em; width:40%">

<div class="invoice-serial col-4" style="margin-top:1em;">

<div class="serial-no-invoice"><span>INVOICE NO</span></div>

<input type="text" class="invoice-number" maxlength="25" name="invoice\_no" placeholder="Invoice no." data-gtm-form-interact-field-id="3">

</div>

</div>

<p class="bill-txt">Bill To:</p>

<div class="invoice-block-3">

<div class="customer-details" style="width: 40%;position: relative;">

<div class="cust-details">

<div class="cust-name">

<input type="text" id="customer-name" maxlength="200" name="cust\_name" placeholder="Customer's Name" style="border: 1px solid #6A6A6A;padding: 0 10px;width: 100%;height: 40px;

border-radius: 5px;margin: 10px 0;" data-gtm-form-interact-field-id="2">

</div>

<div class="cust-addr">

<textarea id="customer-addr" maxlength="1000" name="cust\_addr" placeholder="Customer Address" style="border: 1px solid #6A6A6A;height: 70px;padding: 0 10px;

width: 100%;border-radius: 5px;margin: 10px 0;resize: none;" data-gtm-form-interact-field-id="4"></textarea>

</div>

</div>

</div>

<div class="cust-invoice-date">

<div class="date">

<label for="inv-date" class="invoice-generator-form-label"> Date :</label> <input type="date" name="inv-date" id="inv-date" value="2023-04-03">

</div>

<div class="due-date">

<label for="due-date" class="invoice-generator-form-label"> Due Date:</label> <input type="date" name="due-date" id="due-date" min="2023-04-03" data-gtm-form-interact-field-id="5">

</div>

</div>

</div>

<div class="product-details">

<table class="product-table">

<thead>

<tr><th width="5%">Product ID</th>

<th width="40%">Product name</th>

<th width="12%">Quantity</th>

<th width="20%">Rate</th>

<th width="20%">Amount</th>

<th width="3%"></th>

</tr></thead>

<tbody>

<tr class="items-list">

<td class="serial\_no">1</td>

<td>

<input type="text" id="pr-name" maxlength="200" name="pr[0][name]" placeholder="Add Item" data-gtm-form-interact-field-id="6">

</td>

<td>

<input type="number" id="pr-qty" name="pr[0][qty]" placeholder="0" class="text-right" min="0" data-val="4" data-gtm-form-interact-field-id="7">

</td>

<td class="rate">

<span class="currency-change type-inr">₹ </span>

<input type="number" id="pr-rate" name="pr[0][rate]" placeholder="0.00" class="text-right" min="0" data-val="50" data-gtm-form-interact-field-id="8">

</td>

<td class="amount">

<span class="currency-change type-inr">₹ </span>

<input type="number" id="pr-amount" name="pr[0][amount]" placeholder="0.00" class="text-right" min="0">

</td>

<td class="remove-item" style="font-size: 20px; font-weight: bold; cursor: pointer;"><i class="far fa-times-circle"></i></td>

</tr>

<tr class="items-list">

<td class="serial\_no">2</td>

<td><input type="text" maxlength="200" name="pr[1][name]" id="pr-name" placeholder="Add Item" autofocus="" data-gtm-form-interact-field-id="10"></td>

<td><input type="number" name="pr[1][qty]" id="pr-qty" placeholder="0" class="text-right" data-val="4" data-gtm-form-interact-field-id="11"></td>

<td class="rate"><span class="currency-change type-inr">₹</span><input type="number" id="pr-rate" name="pr[1][rate]" placeholder="0.00" class="text-right" data-val="20" data-gtm-form-interact-field-id="12"></td>

<td class="amount"><span class="currency-change type-inr">₹</span><input type="number" id="pr-amount" name="pr[1][amount]" placeholder="0.00" class="text-right"></td>

<td class="remove-item" style="font-size: 20px; font-weight: bold; cursor: pointer;"><i class="far fa-times-circle"></i></td></tr><tr class="items-list"><td class="serial\_no">3</td>

<td><input type="text" maxlength="200" name="pr[2][name]" id="pr-name" placeholder="Add Item" autofocus="" data-gtm-form-interact-field-id="13"></td>

<td><input type="number" name="pr[2][qty]" id="pr-qty" placeholder="0" class="text-right" data-val="1" data-gtm-form-interact-field-id="14"></td>

<td class="rate"><span class="currency-change type-inr">₹</span><input type="number" id="pr-rate" name="pr[2][rate]" placeholder="0.00" class="text-right" data-val="40" data-gtm-form-interact-field-id="15"></td>

<td class="amount"><span class="currency-change type-inr">₹</span><input type="number" id="pr-amount" name="pr[2][amount]" placeholder="0.00" class="text-right"></td>

<td class="remove-item" style="font-size: 20px; font-weight: bold; cursor: pointer;"><i class="far fa-times-circle"></i></td></tr><tr class="items-list"><td class="serial\_no">4</td>

<td><input type="text" maxlength="200" name="pr[3][name]" id="pr-name" placeholder="Add Item" autofocus="" data-gtm-form-interact-field-id="16"></td>

<td><input type="number" name="pr[3][qty]" id="pr-qty" placeholder="0" class="text-right" data-val="5" data-gtm-form-interact-field-id="17"></td>

<td class="rate"><span class="currency-change type-inr">₹</span><input type="number" id="pr-rate" name="pr[3][rate]" placeholder="0.00" class="text-right" data-val="10" data-gtm-form-interact-field-id="18"></td>

<td class="amount"><span class="currency-change type-inr">₹</span><input type="number" id="pr-amount" name="pr[3][amount]" placeholder="0.00" class="text-right"></td>

<td class="remove-item" style="font-size: 20px; font-weight: bold; cursor: pointer;"><i class="far fa-times-circle"></i></td></tr>

</tbody>

</table>

<button id="addrowitem">+ Add Item</button>

<h3 class="head-txt width-40">Does your invoice include GST?</h3>

<div class="row">

<div class="col-6">

<input type="radio" id="yes" name="gst" value="yes" style="display: block; width: auto;" data-gtm-form-interact-field-id="9">

<label for="yes">Yes</label>

<input type="radio" id="no" name="gst" value="no" style="display: block; width: auto;" checked="">

<label for="no">No</label>

</div>

<div class="col-6">

<div class="total-amount-wrap border-box" id="gst-div" style="margin-top: -20px;"><span>GST %: &nbsp;&nbsp;</span><input type="number" name="gst" id="gst" placeholder="0.00%" min="0" data-gtm-form-interact-field-id="19"> </div>

<input type="hidden" id="amount-without-gst" name="amount-without-gst" value="370.00">

</div>

</div>

<div class="total-amount-wrap border-box"><span>Total : &nbsp;&nbsp;</span><span class="currency-total">₹</span> <input type="number" name="total\_amt" id="total-amount" placeholder="00.00" min="0" readonly=""> </div>

</div>

<div class="next-button">

<button type="button" class="next-step" id="next-option">Generate bill</button>

</div>

</div>

</form>

2.Use JavaScript to dynamically add fields for product ID and quantity when the "Add New" button is clicked.

document.addEventListener('DOMContentLoaded', () => {

var clearError = () => $(".custom-has-error").each(function() {

$(this).removeClass('custom-has-error');

});

function validateDecimal(e, n) {

let validNumber = new RegExp('^[0-9]{1,' + n + '}(\\.\\d{0,2})?$'); // /^[0-9]{1,n}(\.\d{0,3})?/

var t = e.target.value;

let oldValue = $(e.target).attr('data-val');

if (!(validNumber.test(t)) && t != '' && !isNaN(t)) {

e.target.value = oldValue;

} else {

$(e.target).attr('data-val', e.target.value);

}

}

function addRow() {

let serial\_no = $('.product-table tbody').find('tr').length + 1;

let currency = 'inr'; // $('#currency-value').val();

let currency\_class = (currency == 'inr') ? 'type-inr' : 'type-usd';

let symbol\_cur = (currency == 'inr') ? '&#8377;' : '&#36;';

let content = '<tr class="items-list">' +

'<td class="serial\_no">' + serial\_no + '</td>' +

'<td><input type="text" maxlength="200" name="pr[' + (serial\_no - 1) +

'][name]" id="pr-name" placeholder="Add Item" autofocus /></td>' +

'<td><input type="number" name="pr[' + (serial\_no - 1) +

'][qty]" id="pr-qty" placeholder="0" class="text-right" /></td>' +

'<td class="rate"><span class="currency-change ' + currency\_class + '">' + symbol\_cur +

'</span><input type="number" id="pr-rate" name="pr[' + (serial\_no - 1) +

'][rate]" placeholder="0.00" class="text-right" /></td>' +

'<td class="amount"><span class="currency-change ' + currency\_class + '">' + symbol\_cur +

'</span><input type="number" id="pr-amount" name="pr[' + (serial\_no - 1) +

'][amount]" placeholder="0.00" class="text-right" /></td>' +

'<td class="remove-item" style="font-size: 20px; font-weight: bold; cursor: pointer;"><i class="far fa-times-circle"></i></td>' +

'</tr>';

$('.product-table tbody').append(content);

}

function onChangeCurrency() {

let currency = $('#currency-value').val();

let currency\_class = (currency == 'inr') ? 'type-inr' : 'type-usd';

let symbol\_cur = (currency == 'inr') ? '&#8377;' : '&#36;';

$('.currency-change').removeClass('type-inr').removeClass('type-usd').addClass(currency\_class).html(

symbol\_cur);

$('.product-table tbody tr td').find('input').val('');

$('.product-table tbody tr td').find('input').val('');

$('#total-amount').val('');

$('.currency-total').html(symbol\_cur);

}

function Popup(data) {

var mywindow = window.open('', 'Vyapar', 'height=400,width=600');

mywindow.document.write(data);

mywindow.print();

mywindow.close();

return true;

}

$('#addrowitem').on('click', (e) => {

e.preventDefault();

addRow();

});

$('#currency-value').on('change', (e) => {

e.preventDefault();

onChangeCurrency();

});

$('.options-block.download-invoice').on('click', (e) => {

e.preventDefault();

$('#download-invoice-modal').modal('open');

// $('#invoice-form').submit();

});

$('#download-invoice-call').on('click', (e) => {

e.stopImmediatePropagation();

let sender\_name = $('#company\_name').val();

let sender\_phone = $('#download\_input\_phone').val();

var mob\_pattern = /^[6-9][0-9]{9}$/;

let theme = parseInt($('#slider-nav').find('.current').attr('data-slide')) + 1;

$('#invoice-form').attr('action', '/invoice-generator/pdf-invoice/' + theme);

// $('#download-invoice-modal').modal('close');

if (sender\_phone == '' || sender\_name == '' || sender\_phone == null || sender\_name ==

null) {

alert('please fill all mandatory field !');

} else if (sender\_phone && sender\_name && mob\_pattern.test(sender\_phone)) {

$('#download\_input\_phone').css('border-color', 'silver');

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name",

"sender\_name").val(sender\_name));

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name",

"sender\_phone").val(sender\_phone));

let validInput = validateInputs();

if (!validInput) {

return;

}

$('#invoice-form').submit();

$('#download-invoice-modal').modal('close');

} else if (!mob\_pattern.test(sender\_phone)) {

$('#download\_input\_phone').css('border-color', 'red');

alert('Invalid mobile number !');

} else {

alert('please fill all mandatory field !');

}

});

$(document).on('click', '.remove-item', function(e) {

let total\_row = $('.items-list');

if (total\_row.length > 1) {

$(this).parent().remove();

let prod\_elem = $('.items-list #pr-name');

let qty\_elem = $('.items-list #pr-qty');

let rate\_elem = $('.items-list #pr-rate');

let amt\_elem = $('.items-list #pr-amount');

$('.items-list').each(function(i) {

$(this).find('.serial\_no').html(i + 1);

$(this).find('#pr-name').attr('name', 'pr[' + i + '][name]');

$(this).find('#pr-qty').attr('name', 'pr[' + i + '][qty]');

$(this).find('#pr-rate').attr('name', 'pr[' + i + '][rate]');

$(this).find('#pr-amount').attr('name', 'pr[' + i + '][amount]');

});

getTotalAmount();

} else {

alert("Last row can't be deleted !");

}

});

$('.send-invoice').on('click', (e) => {

e.preventDefault();

$('#mail\_subject').val('Invoice from ' + $('#user-company').val() + ' : #' + $(

'.invoice-number').val());

$('#email-invoice-modal').modal('open');

});

$('#email-invoice-call').on('click', (e) => {

e.preventDefault();

let to\_mail = $('#to\_email\_addr').val();

let from\_mail = $('#from\_email\_addr').val();

let message\_mail = $('#msg\_email').val();

let theme = parseInt($('#slider-nav').find('.current').attr('data-slide')) + 1;

if (to\_mail && from\_mail) {

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name", "to\_mail")

.val(to\_mail));

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name", "from\_mail")

.val(from\_mail));

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name", "message")

.val(message\_mail));

var form\_data = $('#invoice-form').serializeArray();

form\_data.push({

name: 'file',

value: ($('#logo-image').attr('src'))

});

let validInput = validateInputs();

if (!validInput) {

return;

}

$('#spinner').show();

$.ajax({

type: "POST",

url: '/invoice-generator/send-invoice/' + theme,

data: form\_data,

headers: {

'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')

},

success: function(res) {

$('#email-invoice-modal').modal('close');

$('#spinner').hide();

if (res.status == 'success') {

$('.message-res').html(res.message);

$('#successModal').modal('open');

// alert(res.message);

} else {

alert(res.message);

}

},

beforeSend: () => {

clearError();

},

error: function(xhr, ajaxOptions, thrownError) {

$("#spinner").hide()

if (xhr.status == 409 || xhr.status == 422 || xhr.status == 404) {

let keys = {

"to\_mail": "to\_email\_addr",

"from\_mail": "from\_email\_addr"

};

$.each(xhr.responseJSON, (key, value) => {

Materialize.toast(value[0], 3000,

'rounded red lighten-2');

$("input[name='" + keys[key] + "']").parent()

.addClass('custom-has-error');

});

} else {

// showModal("Some error occured");

console.log(xhr.responseText);

}

}

}).always(function() {

$('#spinner').hide();

});

// $('#invoice-form').submit();

} else {

alert('please fill all mandatory field !');

}

});

$(document).on('input', '#pr-amount', function(e) {

validateDecimal(e, 20);

});

$(document).on('input', '#gst', function(e) {

getTotalAmount()

});

$(document).on('blur', '#gst', function(e) {

getTotalAmount()

});

$('input[type="radio"]').click(function() {

if ($(this).attr('id') == 'no') {

$('#gst').val('');

$('#gst-div').fadeOut(300);

getTotalAmount();

} else {

$('#gst-div').fadeIn(500);

}

});

$(document).on('blur', '#pr-amount', function(e) {

let rate = $(event.target).parent().parent().find('.rate #pr-rate').val();

let qty = $(event.target).parent().parent().find('td #pr-qty').val();

let value = parseFloat(e.target.value).toFixed(2);

let updated\_rate = parseFloat(value / qty).toFixed(2);

if ((isNaN(qty) || qty == 0 || qty == undefined) && value > 0) {

$(event.target).parent().parent().find('td #pr-qty').val(1);

$(event.target).parent().parent().find('.rate #pr-rate').val(value);

$(event.target).val(value);

} else {

$(event.target).parent().parent().find('.rate #pr-rate').val(updated\_rate);

$(event.target).val(value);

}

getTotalAmount();

});

$(document).on('input', '#pr-qty', function(e) {

validateDecimal(e, 5);

});

$(document).on('input', '#total-amount', function(e) {

validateDecimal(e, 20);

});

$(document).on('keyup', '#pr-rate', function(e) {

e.preventDefault();

validateDecimal(e, 15);

let this\_value = parseFloat(e.target.value);

let qty\_value = parseFloat($(this).parent().parent().find('td #pr-qty').val());

if (isNaN(this\_value) || isNaN(qty\_value)) {

$(this).parent().parent().find('td #pr-amount').val('');

} else {

$(this).parent().parent().find('td #pr-amount').val(((this\_value) \* (qty\_value))

.toFixed(2));

}

getTotalAmount();

});

$(document).on('blur', '#pr-rate', function(e) {

let value = parseFloat(e.target.value).toFixed(2);

$(event.target).val(value);

});

$(document).on('blur', '#pr-name', function(e) {

getTotalAmount();

});

$(document).on('keyup', '#pr-qty', function(e) {

e.preventDefault();

let qty\_value = parseFloat(e.target.value);

let item\_value = parseFloat($(this).parent().parent().find('td #pr-rate').val());

if (isNaN(qty\_value) || isNaN(item\_value)) {

$(this).parent().parent().find('td #pr-amount').val('');

} else {

$(this).parent().parent().find('td #pr-amount').val(((item\_value) \* (qty\_value))

.toFixed(2));

}

getTotalAmount();

});

$('.printe-invoice').on('click', function(e) {

e.stopImmediatePropagation();

$('#print-invoice-modal').modal('open');

});

$('#print-invoice-call').on('click', function(e) {

e.stopImmediatePropagation();

let sender\_name = $('#company\_name\_print').val();

let sender\_phone = $('#print\_input\_phone').val();

var mob\_pattern = /^[6-9][0-9]{9}$/;

let theme = parseInt($('#slider-nav').find('.current').attr('data-slide')) + 1;

if (sender\_phone == '' || sender\_name == '' || sender\_phone == null || sender\_name ==

null) {

alert('please fill all mandatory field !');

} else if (sender\_name && sender\_phone && mob\_pattern.test(sender\_phone)) {

var form\_data = $('#invoice-form').serializeArray();

form\_data.push({

name: 'sender\_name',

value: sender\_name

});

form\_data.push({

name: 'sender\_phone',

value: sender\_phone

});

form\_data.push({

name: 'amt\_words',

value: RsPaise($('#total-amount').val())

}, {

name: 'file',

value: ($('#logo-image').attr('src'))

});

// form\_data = form\_data.serialize();

$('.spinner').show();

$('#print\_input\_phone').css('border-color', 'silver');

let validInput = validateInputs();

if (validInput === false) {

return;

}

$.ajax({

type: "POST",

url: '/invoice-generator/pdf-response/' + theme,

data: form\_data,

headers: {

'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')

},

success: function(res) {

$('#print-invoice-modal').modal('close');

$('.spinner').hide();

Popup(res);

},

error: function(e) {

alert('Error while printing invoice, please check input fields')

}

}).always(function() {

$('.spinner').hide();

});

} else if (!mob\_pattern.test(sender\_phone)) {

$('#print\_input\_phone').css('border-color', 'red');

alert('Invalid mobile number !');

} else {

alert('please fill all mandatory field !');

}

});

});

function Slider(element) {

this.el = document.querySelector(element);

this.init();

}

Slider.prototype = {

init: function() {

this.links = this.el.querySelectorAll("#slider-nav a");

this.wrapper = this.el.querySelector("#slider-wrapper");

this.navigate();

},

navigate: function() {

for (var i = 0; i < this.links.length; ++i) {

var link = this.links[i];

this.slide(link);

}

},

slide: function(element) {

var self = this;

element.addEventListener("click", function(e) {

e.preventDefault();

var a = this;

self.setCurrentLink(a);

var index = parseInt(a.getAttribute("data-slide"), 10) + 1;

var currentSlide = self.el.querySelector(".slide:nth-child(" + index + ")");

self.wrapper.style.left = "-" + currentSlide.offsetLeft + "px";

}, false);

},

setCurrentLink: function(link) {

var parent = link.parentNode;

var a = parent.querySelectorAll("a");

link.className = "current";

for (var j = 0; j < a.length; ++j) {

var cur = a[j];

if (cur !== link) {

cur.className = "";

}

}

}

};

function invoiceStage() {

this.init();

}

invoiceStage.prototype = {

init: function() {

$('.step-1').show();

$('.li-step1').removeClass('progtrckr-todo').addClass('progtrckr-done');

$('#prev-option').attr('disabled', 'disabled');

},

nextClick: function() {

let step\_count = $('#step-count').val();

let validInput = validateInputs();

if (!validInput) {

return;

}

step\_count++;

if (step\_count >= 3) {

$('#step-count').val(3);

$('#next-option').attr('disabled', 'disabled');

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step1,.li-step2,.li-step3').addClass('progtrckr-done');

$('#prev-option').removeAttr('disabled');

} else if (step\_count <= 1) {

$('#step-count').val(1);

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step2,.li-step3').addClass('progtrckr-todo');

$('.li-step1').addClass('progtrckr-done');

$('#next-option').removeAttr('disabled');

$('#prev-option').attr('disabled', 'disabled');

} else {

$('#step-count').val(step\_count);

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step3').addClass('progtrckr-todo');

$('.li-step1,.li-step2').addClass('progtrckr-done');

$('#next-option').removeAttr('disabled');

$('#prev-option').removeAttr('disabled');

}

if (step\_count == 2) {

var form\_data = $('#invoice-form').serializeArray();

$('#invoice-form').append($("<input>").attr("type", "hidden").attr("name", "amt\_words").val(

RsPaise($('#total-amount').val())));

form\_data.push({

name: 'amt\_words',

value: RsPaise($('#total-amount').val())

}, {

name: 'file',

value: ($('#logo-image').attr('src'))

});

let theme = parseInt($('#slider-nav').find('.current').attr('data-slide')) + 1;

if (!validInput) {

return;

}

$('.spinner').show();

$.ajax({

type: "POST",

url: '/invoice-generator/pdf-response/' + theme,

data: form\_data,

headers: {

'X-CSRF-TOKEN': $('meta[name="csrf-token"]').attr('content')

},

success: function(res) {

setTimeout(function() {

$('#content').html(res);

}, 1);

},

error: function(e) {

let error = Object.values(e.responseJSON);

alert('Please validate input values, ' + error);

step\_count = 1;

$('#step-count').val(1);

$('.progtrckr li').removeClass('progtrckr-todo').removeClass(

'progtrckr-done');

$('.li-step2,.li-step3').addClass('progtrckr-todo');

$('.li-step1').addClass('progtrckr-done');

$('#next-option').removeAttr('disabled');

$('#prev-option').attr('disabled', 'disabled');

}

}).always(function() {

$('.process').hide();

$('.step-' + step\_count).show();

$('.spinner').hide();

});

}

$('.process').hide();

$('.step-' + step\_count).show();

},

prevClick: function() {

let step\_count = $('#step-count').val();

step\_count--;

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

if (step\_count >= 3) {

$('#step-count').val(3);

$('#next-option').attr('disabled', 'disabled');

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step1,.li-step2,.li-step3').addClass('progtrckr-done');

$('#prev-option').removeAttr('disabled');

} else if (step\_count <= 1) {

$('#step-count').val(1);

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step2,.li-step3').addClass('progtrckr-todo');

$('.li-step1').addClass('progtrckr-done');

$('#next-option').removeAttr('disabled');

$('#prev-option').attr('disabled', 'disabled');

} else {

$('#step-count').val(step\_count);

$('.progtrckr li').removeClass('progtrckr-todo').removeClass('progtrckr-done');

$('.li-step3').addClass('progtrckr-todo');

$('.li-step1,.li-step2').addClass('progtrckr-done');

$('#next-option').removeAttr('disabled');

$('#prev-option').removeAttr('disabled');

}

$('.process').hide();

$('.step-' + step\_count).show();

}

};

document.addEventListener("DOMContentLoaded", function() {

var aSlider = new Slider("#slider");

var invoiceStep = new invoiceStage();

$('#next-option').on('click', (e) => {

invoiceStep.nextClick();

$("body, html").scrollTop(0)

});

$('#prev-option').on('click', (e) => {

invoiceStep.prevClick();

$("body, html").scrollTop(0)

});

});

function getTotalAmount() {

let all\_amount\_elm = $('.product-table tbody tr');

let total\_amt = 0.00;

let gst = $('#gst').val() / 100;

let amt\_without\_gst = 0.00;

all\_amount\_elm.each(function(index, data) {

let item\_name = $(this).find('td #pr-name').val();

let item\_qty = $(this).find('td #pr-qty').val();

let item\_rate = $(this).find('td #pr-rate').val();

let item\_amount = $(this).find('td #pr-amount').val();

if (!isNaN(item\_amount) && item\_amount != '' && item\_amount != undefined) {

let amt = (isNaN(item\_amount) || item\_amount == undefined) ? 0 : parseFloat(item\_amount);

total\_amt += amt;

}

});

amt\_without\_gst = total\_amt;

total\_amt += gst \* amt\_without\_gst;

if (total\_amt >= 0) {

$('#total-amount').val(total\_amt.toFixed(2));

$('#amount-without-gst').val(amt\_without\_gst.toFixed(2));

} else {

$('#total-amount').val((0.00).toFixed(2));

}

}

function checkItemsName() {

let all\_amount\_elm = $('.product-table tbody tr');

let total = $('#total-amount').val(); //&& Math.round(total) != 0

if (total != '' && total != undefined) {

return true;

} else {

all\_amount\_elm.each(function(index, data) {

let item\_name = $(this).find('td #pr-name').val();

if (item\_name == '' || item\_name == undefined) {

alert('Please Enter item name !');

return false;

}

});

}

}

function Rs(amount) {

var words = new Array();

words[0] = 'Zero';

words[1] = 'One';

words[2] = 'Two';

words[3] = 'Three';

words[4] = 'Four';

words[5] = 'Five';

words[6] = 'Six';

words[7] = 'Seven';

words[8] = 'Eight';

words[9] = 'Nine';

words[10] = 'Ten';

words[11] = 'Eleven';

words[12] = 'Twelve';

words[13] = 'Thirteen';

words[14] = 'Fourteen';

words[15] = 'Fifteen';

words[16] = 'Sixteen';

words[17] = 'Seventeen';

words[18] = 'Eighteen';

words[19] = 'Nineteen';

words[20] = 'Twenty';

words[30] = 'Thirty';

words[40] = 'Forty';

words[50] = 'Fifty';

words[60] = 'Sixty';

words[70] = 'Seventy';

words[80] = 'Eighty';

words[90] = 'Ninety';

var op;

amount = amount.toString();

var atemp = amount.split(".");

var number = atemp[0].split(",").join("");

var n\_length = number.length;

var words\_string = "";

if (n\_length <= 9) {

var n\_array = new Array(0, 0, 0, 0, 0, 0, 0, 0, 0);

var received\_n\_array = new Array();

for (var i = 0; i < n\_length; i++) {

received\_n\_array[i] = number.substr(i, 1);

}

for (var i = 9 - n\_length, j = 0; i < 9; i++, j++) {

n\_array[i] = received\_n\_array[j];

}

for (var i = 0, j = 1; i < 9; i++, j++) {

if (i == 0 || i == 2 || i == 4 || i == 7) {

if (n\_array[i] == 1) {

n\_array[j] = 10 + parseInt(n\_array[j]);

n\_array[i] = 0;

}

}

}

value = "";

for (var i = 0; i < 9; i++) {

if (i == 0 || i == 2 || i == 4 || i == 7) {

value = n\_array[i] \* 10;

} else {

value = n\_array[i];

}

if (value != 0) {

words\_string += words[value] + " ";

}

if ((i == 1 && value != 0) || (i == 0 && value != 0 && n\_array[i + 1] == 0)) {

words\_string += "Crores ";

}

if ((i == 3 && value != 0) || (i == 2 && value != 0 && n\_array[i + 1] == 0)) {

words\_string += "Lakhs ";

}

if ((i == 5 && value != 0) || (i == 4 && value != 0 && n\_array[i + 1] == 0)) {

words\_string += "Thousand ";

}

if (i == 6 && value != 0 && (n\_array[i + 1] != 0 && n\_array[i + 2] != 0)) {

words\_string += "Hundred and ";

} else if (i == 6 && value != 0) {

words\_string += "Hundred ";

}

}

words\_string = words\_string.split(" ").join(" ");

}

return words\_string;

}

function RsPaise(n) {

let nums = n.toString().split('.')

var whole = Rs(nums[0])

if (nums[1] == null) nums[1] = 0;

if (nums[1].length == 1) nums[1] = nums[1] + '0';

if (nums[1].length > 2) {

nums[1] = nums[1].substring(2, length - 1)

}

if (nums.length == 2) {

if (nums[0] <= 9) {

nums[0] = nums[0] \* 10

} else {

nums[0] = nums[0]

};

var fraction = Rs(nums[1])

if (whole == '' && fraction == '') {

op = 'Zero only';

}

if (whole == '' && fraction != '') {

op = 'paise ' + fraction + ' only';

}

if (whole != '' && fraction == '') {

op = 'Rupees ' + whole + ' only';

}

if (whole != '' && fraction != '') {

op = 'Rupees ' + whole + 'and paise ' + fraction + ' only';

}

amt = n;

if (amt > 999999999.99) {

return op = 'Oops!!! The amount is too big to convert';

}

if (isNaN(amt) == true) {

return op = 'Error : Amount in number appears to be incorrect. Please Check.';

}

return op;

}

}

var loadFile = function(event) {

var image = document.getElementById('logo-image');

var file = document.getElementById('file');

image.src = URL.createObjectURL(event.target.files[0]);

toDataURL(image.src, function(dataUrl) {

document.getElementById('logo-image').src = dataUrl;

document.getElementById('logo-image').style.display = 'block'

document.getElementById('file-div').style.display = 'none'

})

};

function toDataURL(url, callback) {

var xhr = new XMLHttpRequest();

xhr.onload = function() {

var reader = new FileReader();

reader.onloadend = function() {

callback(reader.result);

}

reader.readAsDataURL(xhr.response);

};

xhr.open('GET', url);

xhr.responseType = 'blob';

xhr.send();

}

$(document).ready(function() {

var today = new Date().toISOString().split('T')[0];

$("#due-date").attr('min', today);

$(".read-more-less-link").click(function() {

$(this).prev().toggle();

if ($(this).text() === "Read more") {

$(this).text('Read less');

} else {

$(this).text('Read more');

}

})

})

$(window).bind("pageshow", function() {

var form = $('form');

document.getElementById('logo-image').style.display = 'none';

document.getElementById('file-div').style.display = 'block';

form[0].reset();

});

function validateInputs() {

let htmlTags = /^([a-zA-Z0-9 ,.\_@?!#/&-:])\*$/;

let url = new RegExp(

"https?:\\/\\/(www\\.)?[-a-zA-Z0-9@:%.\_\\+~#=]{1,256}\\.[a-zA-Z0-9()]{1,6}\\b([-a-zA-Z0-9()@:%\_\\+.~#?&//=]\*)"

);

let flag = true;

$('input[type="text"]').each(function() {

let input = $(this).val();

if (!htmlTags.test(input) || url.test(input)) {

flag = false;

}

});

if (!flag) {

alert('Please enter valid values in input fields');

}

return flag;

}

const menuList= document.getElementsByClassName("next-step")[0];

menuList.addEventListener("click", function (e) {

document.getElementsByClassName('hero-section')[0].style.display = 'none';

});

3.create the calculate\_bill using php

<?php

$email = $\_POST['email'];

$products = $\_POST['products'];

$denominations = $\_POST['denominations'];

$amountGiven = $\_POST['amountGiven'];

$totalPrice = 0;

foreach ($products as $product) {

$price = getPrice($product['id']);

$taxPercentage = getTaxPercentage($product['id']);

$quantity = $product['quantity'];

$subtotal = $price \* $quantity;

$tax = $subtotal \* $taxPercentage;

$totalPrice += $subtotal + $tax;}

$totalAmountDue = $totalPrice;

$change = $amountGiven - $totalAmountDue;

$denominationsGiven = array();

foreach ($denominations as $denomination) {

$value = $denomination['value'];

$count = $denomination['count'];

$numDenominations = floor($change / $value);

$numDenominations = min($numDenominations, $count);

$denominationsGiven[$value] = $numDenominations;

$change -= $numDenominations \* $value;

}

sendInvoice($email, $totalAmountDue);

echo "Total amount due: $totalAmountDue<br>";

echo "Change: $change<br>";

echo "Denominations to be given:<br>";

foreach ($denominationsGiven as $value => $count) {

echo "$count x $value<br>";

}

function getPrice($productId) {

return 10.0;

}

function getTaxPercentage($productId) {

return 0.05;

}?>

4. Use PHP to send the invoice to the customer's email ID using a Queue.

<?php

require\_once \_\_DIR\_\_ . '/vendor/autoload.php';

use PhpAmqpLib\Connection\AMQPStreamConnection;

use PhpAmqpLib\Message\AMQPMessage;

$connection = new AMQPStreamConnection('localhost', 5672, 'guest', 'guest');

$channel = $connection->channel();

$queueName = 'invoices';

$channel->queue\_declare($queueName, false, false, false, false);

$invoiceData = array(

'customer\_email' => $\_POST['customer\_email'], // get email from form data

'products' => $\_POST['products'], // get products from form data

'amount\_paid' => $\_POST['amount\_paid'], // get amount paid from form data

'denominations' => $\_POST['denominations'] // get denominations from form data

);

$message = new AMQPMessage(json\_encode($invoiceData));

$channel->basic\_publish($message, '', $queueName);

$channel->close();

$connection->close();

?>

<?php

$totalBill = 0;

foreach ($\_POST['products'] as $productId => $quantity) {

$price = getPriceFromDatabase($productId);

$taxPercentage = getTaxPercentageFromDatabase($productId);

$totalPrice = ($price \* $quantity) \* (1 + $taxPercentage / 100);

$totalBill += $totalPrice;

}

$amountPaid = $\_POST['amount\_paid'];

$balance = $amountPaid - $totalBill;

$balanceDenomination = array();

foreach ($availableDenominations as $denomination) {

while ($balance >= $denomination) {

$balanceDenomination[$denomination] = isset($balanceDenomination[$denomination]) ? $balanceDenomination[$denomination] + 1 : 1;

$balance -= $denomination;

}

}

?>

5.Create a database table for storing customer details and purchase history.

CREATE TABLE customers (

Customer name VARCHAR(50) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

phone VARCHAR(20),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP

);

CREATE TABLE purchases (

id INT(11) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,

customer\_id INT(11) UNSIGNED NOT NULL,

product\_id INT(11) UNSIGNED NOT NULL,

quantity INT(11) UNSIGNED NOT NULL,

price FLOAT(10,2) NOT NULL,

tax\_percentage FLOAT(5,2) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

updated\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,

FOREIGN KEY (customer\_id) REFERENCES customers(id)

);

6. Use PHP to fetch the purchase history from the database and display it on the page.

<?php

$servername = "localhost";

$username = "yourusername";

$password = "yourpassword";

$dbname = "yourdatabase";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$email = $\_POST['email'];

$sql = "SELECT \* FROM purchases WHERE email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "<table><tr><th>Date</th><th>Product</th><th>Quantity</th><th>Price</th></tr>";

while($row = $result->fetch\_assoc()) {

echo "<tr><td>".$row["date"]."</td><td>".$row["product\_name"]."</td><td>".$row["quantity"]."</td><td>".$row["price"]."</td></tr>";

}

echo "</table>";

} else {

echo "No purchase history found for this email address.";

}

$conn->close();

?>

7.Add functionality to select a specific purchase from the list and display the items purchased in that purchase.

<?php

$servername = "localhost";

$username = "yourusername";

$password = "yourpassword";

$dbname = "yourdatabase";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$email = $\_POST['email'];

$sql = "SELECT \* FROM purchases WHERE email = '$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "<table><tr><th>Date</th><th>Product</th><th>Quantity</th><th>Price</th><th>Details</th></tr>";

while($row = $result->fetch\_assoc()) {

echo "<tr><td>".$row["date"]."</td><td>".$row["product\_name"]."</td><td>".$row["quantity"]."</td><td>".$row["price"]."</td><td><form method='post' action='purchase\_details.php'><input type='hidden' name='purchase\_id' value='".$row["id"]."'><input type='submit' value='View Details'></form></td></tr>";

}

echo "</table>";

} else {

echo "No purchase history found for this email address.";

}

$conn->close();

?>

<?php

$servername = "localhost";

$username = "yourusername";

$password = "yourpassword";

$dbname = "yourdatabase";

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

$purchase\_id = $\_POST['purchase\_id'];

$sql = "SELECT \* FROM purchases WHERE id = '$purchase\_id'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

echo "<table><tr><th>Product</th><th>Quantity</th><th>Price</th></tr>";

while($row = $result->fetch\_assoc()) {

echo "<tr><td>".$row["product\_name"]."</td><td>".$row["quantity"]."</td><td>".$row["price"]."</td></tr>";

}

echo "</table>";

} else {

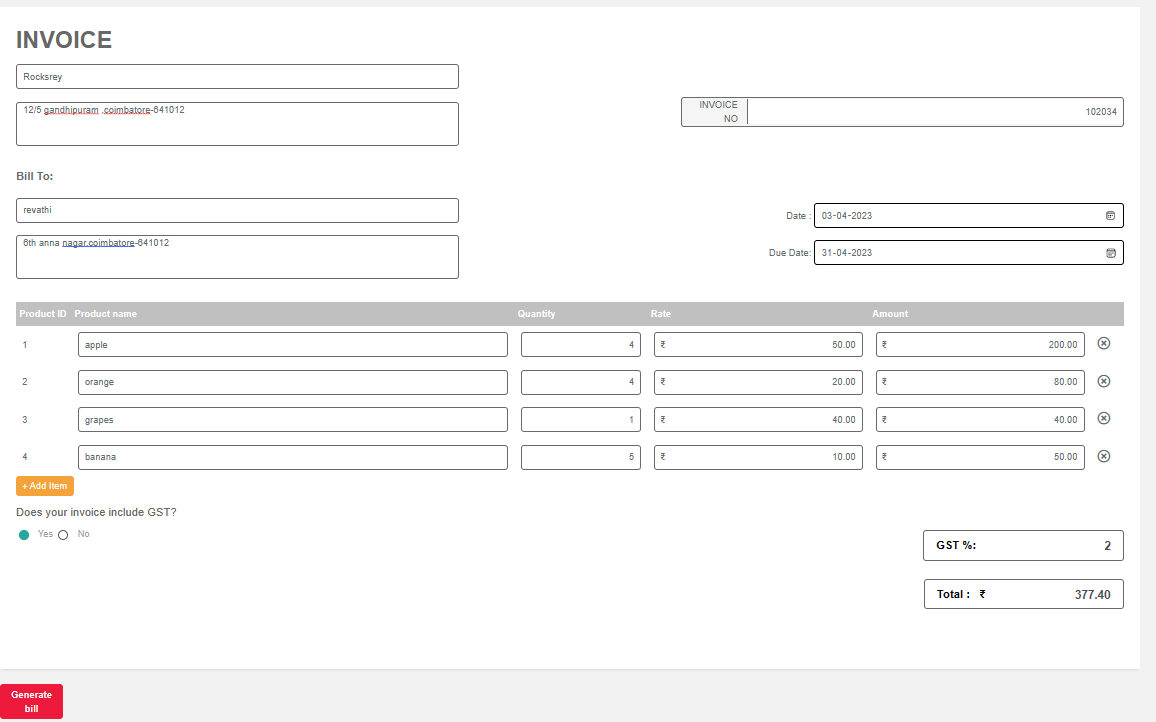
echo "No purchase details found for this purchase ID.";

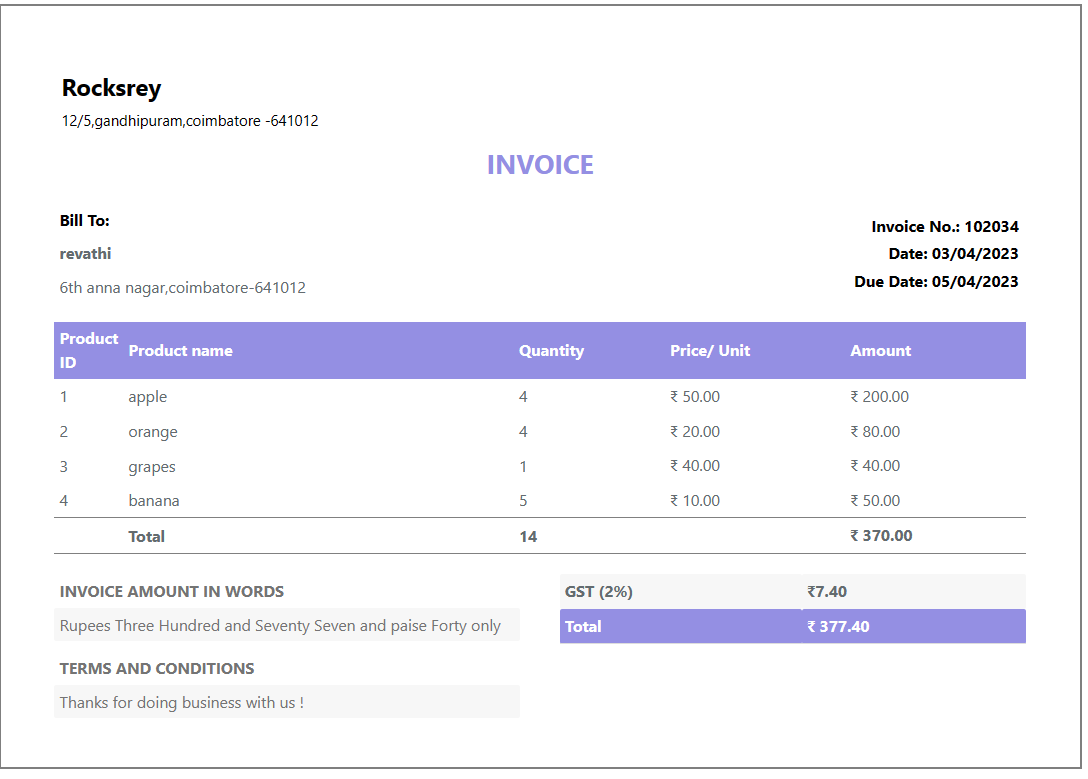
}

$conn->close();

?>

Output:



****