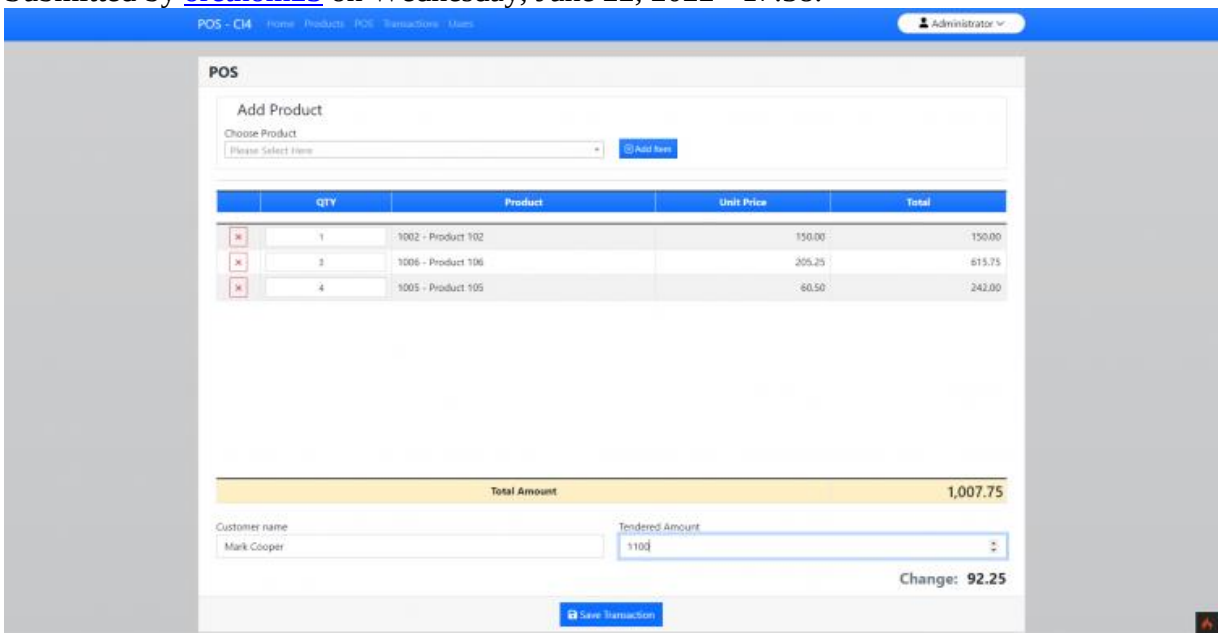
Point of Sale System in PHP using CodeIgniter 4

Submitted by oretnom23 on Wednesday, June 22, 2022 - 17:38.



Introduction

This simple project is a **Point Sale System**. This is a web-based application project developed in **PHP**, **CodeIgniter 4 Framework,** and **MySQL Database**. This project's main goal is to provide an automated and online **POS (Point of Sale)** platform for a certain shop or store. This allows the Shop to easily store, retrieve, and manage their daily transaction records. It has a pleasant user interface with the help of **Bootstrap 5 Framework** to give the end-users a better experience while using the application. It consists of user-friendly features and functionalities.

About the Point of Sale System

This project was developed using the following:

- **XAMPP**
- **PHP version >= 8**
- **MySQL Database**
- **CodeIgniter 4 Framework**
- **HTML**
- **CSS**
- **JavaScript**
- **jQuery**
- **Ajax**
- **Bootstrap Framework**

This **Point of Sale System Project** is only accessible to the **Point of Sale System**. It requires the management to log in their valid system credentials in order to gain access to the features and functionalities of the system. The users can manage the list of products that are available in the shop. They can add new, edit, and delete products to the system. In this system, the user can store the records of the customer transactions. On creating a new transaction, users can simply list all the items or products the customer desired to purchase. The system automatically

computes the total payable amount of the customer each time the user adds a new item, changes the item quantity, and removes the item from the list. The system will prevent the user to save transactions without at least 1 product or item listed. It also stops the process if the tendered amount is invalid or less than the total amount of the transactions. All the transactions are listed on the "Transaction Page" where users can delete and view the transaction details.

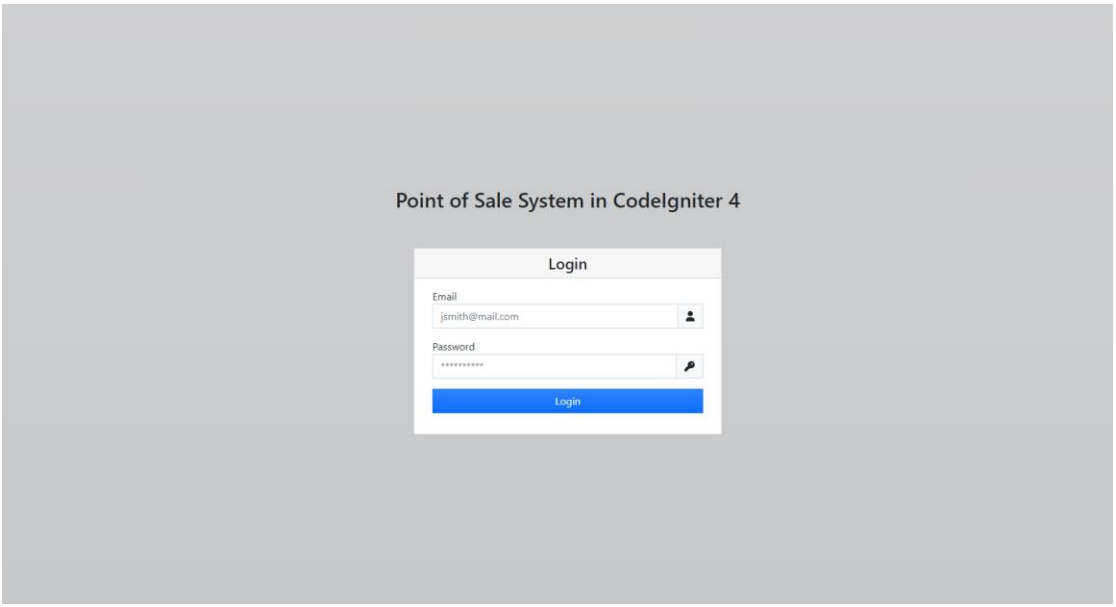
Features

- **Login**
- **Home Page**
- **Product Management**
    - Add New Product
    - List All Products
    - Edit Product Details
    - Delete Product
- **Transaction Management**
    - Add New Transaction
    - List All Transactions
    - View Transaction Details
    - Delete Transaction
- **Users Management**
    - Add New Users
    - List All Users
    - Update User Credential
    - Delete Users
- **Update Account Details/Credentials**
- **Logout**

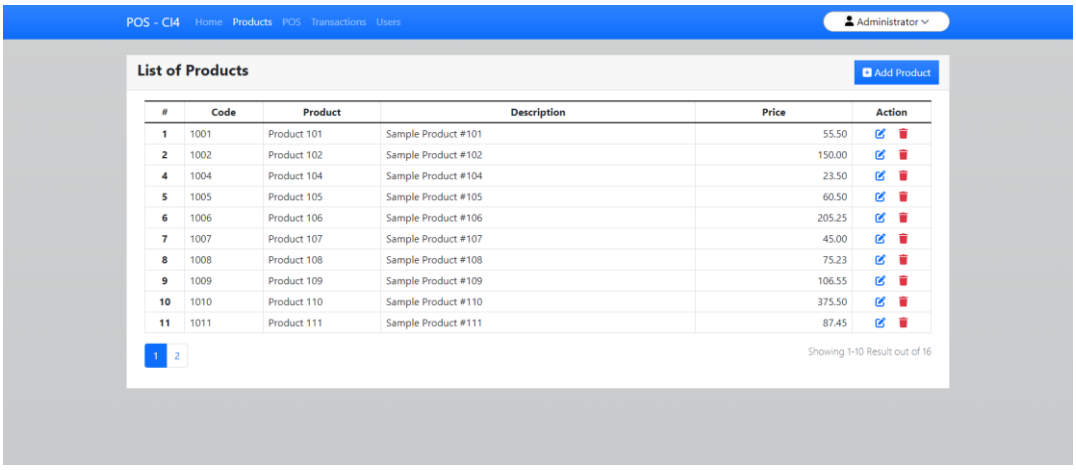
The source code was developed only for educational purposes only. You can download the source code for free and modify it the way you wanted.

System Snapshots of some Features

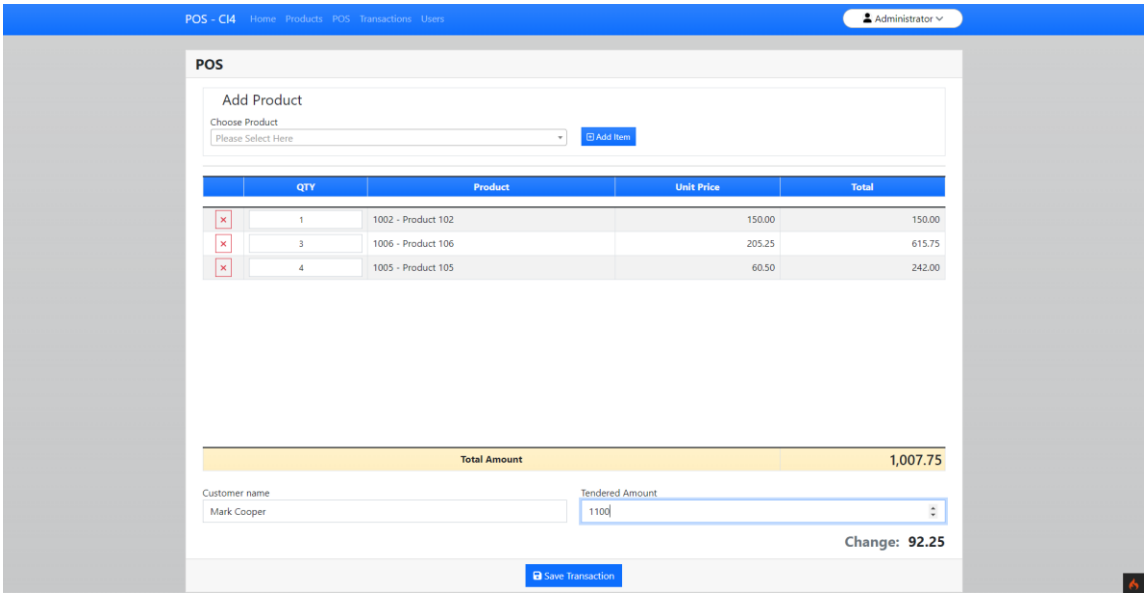
Login Page



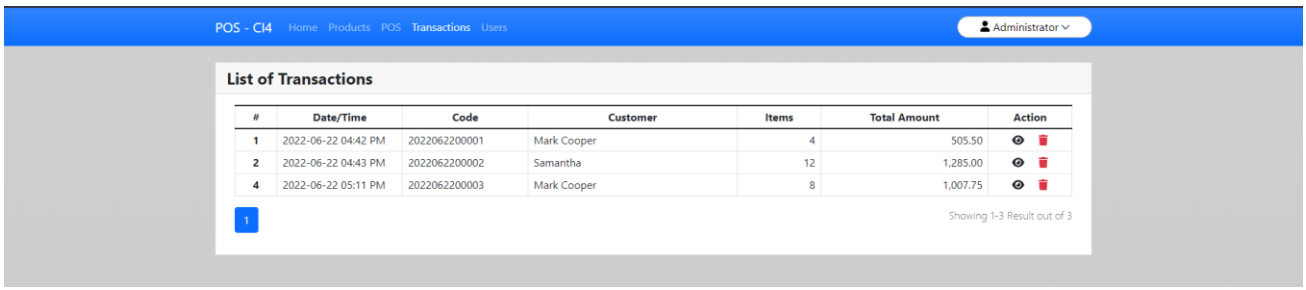
Product List



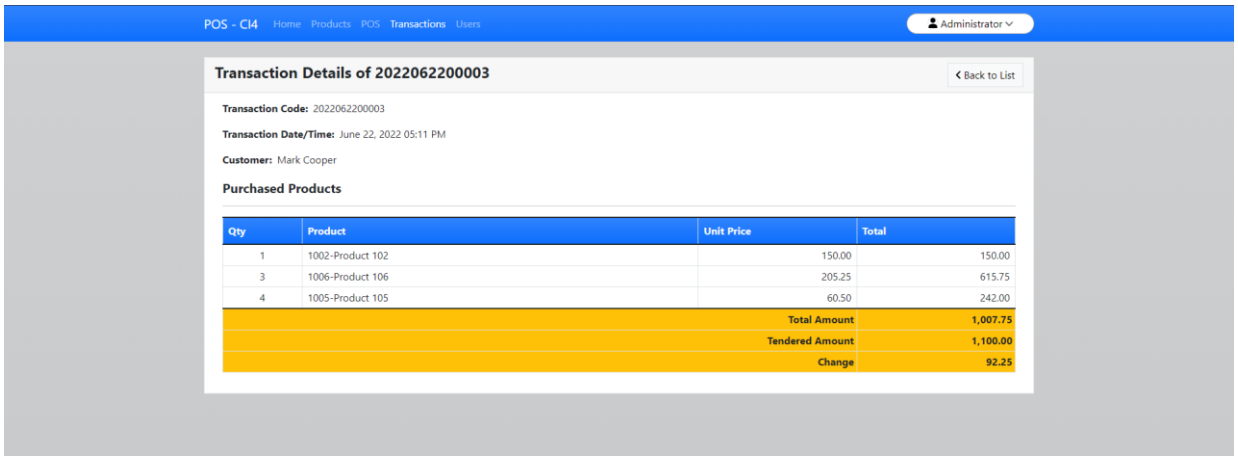
Transaction Form Page



Transaction List



Transaction Details Page



How to Run ??

Requirements

- **Download** and **Install** any **local web server** such as **XAMPP.**
- **Download** the provided source code **zip** file. (*download button is located below*)

System Installation/Setup

1. **Open** your **XAMPP Control Panel** and start **Apache** and **MySQL**.
2. **Extract** the **downloaded source code zip file**.
3. **Copy** the extracted source code folder and **paste** it into the **XAMPP's "htdocs" directory**.
4. **Browse** the **PHPMyAdmin** in a **browser**. i.e. **http://localhost/phpmyadmin**
5. **Create** a **new database** naming **pos_db**.
6. **Import** the provided **SQL** file. The file is known as **pos_db.sql** located inside the **database** folder.
7. **Browse** the **Point of Sale System** in a **browser**. i.e. **http://localhost/ci4_pos**.

Default Access:

Email: **admin@mail.com**
Password: **admin123**

That's it. You can now explore the features and functionalities of this **Point of Sale System** in **PHP** using **CodeIgniter 4 Framework**. I hope this will help you with what you are looking for and you'll find something useful for your future projects.