**Documentation**

**WPF/WinForms POS System**

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## About this Document

This is document is intended as a source of reference for users of **WPF POS System** and **WinForms POS System**. This reference guide consists of all the features and functions present in the application. The purpose of this document is to support the **POS System Users**.

## What is WPF POS System?

The POS System is a mock POS System application emulating functionality of existing commercial POS Systems available. This application was developed with the intent to be used for testing/developing of a larger screen engine management software.

This software aims to provide real world features one might encounter when working with commercially available POS Systems.

## How Does it Work?

This application provides a simple and user friendly interface to simulate "Employee users", adding items to a cart, and finally processing payment while saving transaction history.

## Glossary of Key Terms

| **Term** | **Definition** |
| --- | --- |
| **WPF** | Windows Presentation Foundation. a graphical subsystem by Microsoft for rendering user interfaces in Windows-based applications. |
| **POS System** | Point of Sales System, (in this case only software) allows a merchant to calculate the amount owed by a customer, handle payment, and save transaction history. |
| **Trans** | Shorthand for Transaction, Trans tab displays the transaction history. |

## Action Buttons

| **Icon** | **Action** |
| --- | --- |
| [Name Label](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/label.PNG) | Label that displays an "employee's" name. |
| [Time Label](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/timeStamp.PNG) | Displays the current time, used for transaction history. |
| [Add Button](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/addBtn.PNG) | Adds a random nut product to the cart (quantity is also random). |
| [Clear Button](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/clearBtn.PNG) | Clears the cart of all items. |
| [Total Label](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/totalLabel.PNG) | Displays the updated total for the current transaction. |
| [Pay Button](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/payBtn.PNG) | When clicked it gives the user the option to pay in-window or through a popup window. (Option for in-window/popup window located in settings) |
| [TenderInWindow](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/tenderInWindow.PNG) | Visible once the [Pay Button](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/payBtn.PNG) is clicked, a text box where a user can enter payment in the format x.xx . |
| [Process](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/processBtn.PNG) | Once the user enters enough money, the user may process the transaction. Each transaction is saved in the 'Trans' tab. **Note:** Once the application is closed, all transaction history is lost. |
| [tabs](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/tabs.PNG) | Tabs, the first shows the items currently in the cart. The second tab 'Trans' displays transaction history. |
| [Settings](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/settings.PNG) | When a user right-clicks, a settings window will appear. |
| [payWindow](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/payWindow.PNG) | Based on what option is selected in the settings menu, the pay window may appear for a user to process payment. |
| [Settings Window](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/settingsWindow.PNG) | Settings window, a user can choose how the "employee's" name is displayed. The name can be displayed as a label, image, in a drop down container, or as a button. (Default is set to labels). |
| [Empty Cart](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/emptyCartScreen.PNG) | An example of what an empty cart screen looks like. |
| [Empty Transaction](https://github.com/carlos42044/Wpf_POS_system/blob/master/img/emptyTransScreen.PNG) | An example of what an empty transaction screen looks like. |