**D2 – Generate comprehensive design documentation independently**

**Introduction**

In this report, I will explain the different tools and techniques that I will be using in the new system that will help the plumber.

**Login Screen**

Once the user will load the program, the user will be shown a message that welcomes them. The first technique that I will is for the login screen. This will be the IF statement. This will be used for the username and password. The main reason I will be using this is that if the user gets one of the two wrong, the system will recognise that it is wrong and a message will be displayed. This is important, because it adds security to the system.

I will use a ‘close’ statement to close the form, when the button has been clicked.

Once the username and password is done, I will use the ‘show’ statement to show users the Main Form. This will link both of the Login Screen and Main Form together.

**Main Form**

The ‘IF statement’ will be used the discount price. I will put in a discount at around 5%, and the IF statement will be used for this. Also, I will use ‘IF statement’ because if the user types in any a negative, or an integer, they will be shown a message to retype a number.

I will use the ‘show’ statement to display many other screens on the Main Form. Some of them could be help and support form, summary form, database form.

I will use ‘Function’ statement to declare the variables for the calculations that are set. The calculations could be what the user will type in to the system.

I will use the Constant variable to verify the VAT. This could be a separate constant that only uses VAT to verify it. This could be a fixed amount, which VAT is always will be fixed.

I will use the ‘clear’ statement to simply clear all the textboxes, if the user has done something wrong within the program.

I will use a ‘close’ statement to close the Main Form, when the button has been clicked.