Login Screen

Begin program at login screen{

Textbox reads username;

Textbox reads password;

If (username = correct username & entered password = correct password)

{

Login to system and land at start screen with choices

If (username is administrator)

{

Let user access inventory, order parts, and sell product

}

Else if (username is inventory clerk)

{

Let user access inventory and order parts only.

}

Else if ( username is sales associate)

{

Let user access inventory and sell product only.

}

}

Else

{

Message pop up(“This password is incorrect”);

}

}

Options Screen to Choose portion of system

Main screen{

Available button shown on page = order product;

Available button shown on page = search for parts;

Available button shown on page = out of stock parts;

Available button shown on page = sell parts

If (user clicks order product)

{

Go to parts ordering screen;

}

Else if (user clicks search for parts)

{

Go to search page;

}

Else if (user clicks out of stock parts)

{

Show all out of stock parts;

}

Else

{

Wait for user action;

}

}

Order more product

Display all parts in the system{

Button to complete parts order with added parts;

Button to remove selected part;

If (user clicks part)

{

Add part to list of parts in ordering set;

}

Else if (user clicks remove part)

{

Remove selected part;

}

Else if (user clicks complete order)

{

Send selected parts order to manufacturer;

}

Else

{

Wait for user to click parts to add;

}

If (user clicks back button){

Return to main screen;

}

}

Search for parts in the system

Search page{

Drop down to filter parts by(case, mouse, keyboard, monitor, motherboard, hard drive);

Textbox allows user input;

If (input to textbox = name of item)

{

Display item that matches this name

}

Else if (input = serial number of item)

{

Display item with matching serial number;

}

Else if (drop down option = case)

{

Only show items in “case” list;

}

Else if (drop down option = mouse)

{

Only show items in “mouse” list;

}

Else if (drop down option = keyboard)

{

Only show items in “keyboard” list;

}

Else if (drop down option = monitor)

{

Only show items in “monitor” list;

}

Else if (drop down option = motherboard)

{

Only show items in “motherboard” list;

}

Else if (drop down option = hard drive)

{

Only show items in “hard drive” list;

}

Else

{

Message(“Unable to locate this part”);

}

If (user clicks back button)

{

Return to main screen;

}

}

Out of Stock Parts

Out of stock{

Button to order all out of stock items;

Button to complete order through manufacturer;

Display list of all items with inventory at 0;

If (User clicks order all)

{

Add all items to order;

}

Else if (user clicks complete order)

{

Send order to manufacturer;

}

Else if (user clicks back button)

{

Return to home screen;

}

}

Sell parts

If user is sales associate or administrator

display screen

else

Do not display screen

///Add Product to customer order

display customer inventory viewer search screen

///associate searches for part, either by part name, part type, or serial number

on part inventory viewer

if sales associate

display sales inventory view for part

else

display inventory viewer for inventory clerk

///////////////

print (in stock)

print (on order)

number to add to order = get user input

///Then update order

return to order screen

////////////////

//When done with ordering go to cart

print all items on customer order (each item getting separate line)

Total = sum of all items in customer order

print total;

If finished ordering

Proceed to getting customer information

else

return to order screen

///Ask for Customer Info and View Order

print (Sum of all parts on customer order)

///Get customer address

string address = get user input

string city = get user input

string state = get user input

string zipcode = get user input

Verify that it is a valid address

if valid address

Show Order

Else

Display "Error Message"

///Get Customer Payment Method

Ask for user's card information

String Card Information = get user input

Insert cards expiration date

Insert card's security code

Ask if shipping and payment address are the same

if yes

Verify order

if no

get payment address

Verify order

If verified

Place order

else

return to customer order page

Flow Chart













