

# STYLE SHOPPER FINAL VBA PROJECT

## NEAL ARMSTRONG

### **The Executive Summary**

My Project was to create a database for a clothing distribution company called "StylishShopper". The company is a small five person company that contracts designers in multiple cities to create clothes, then the company sells them to high end retail chain across the world. These are higher quality clothes so the owner wants a nice system that shows pictures of the clothes that both the designers and sales people can see them. Sales are organized by the buyers. The sales team has had a hard time working with photos in excel and google docs. The photos are low quality and create an awkward page layout when just pasted in the excel document. Also, filtered could not be used well because of the formatting. The spreadsheet also contained lots of data and could not be emailed easily.

Stylish Shopper is looking for a program that can track orders and share photos taken by any person in the company. I have created the "StyleShopperDB" which will allow the company to share its information quickly and easily. This spreadsheet is created with the mobile users in mind. The form is stored in the Microsoft OneDrive and can be accessed from any mobile device. This was an important requirement from the company.

### **The Overview**

StyleShopperDB is a data entry system connected to a cloud based file sharing folder (dropbox) created to enable the company to communicate effectively across all types of devices.

Step 1. The designer creates a piece of clothing, takes a picture and uploads it to the dropbox file on either their smartphone, tablet, or computer.

Step 2. The designer names the item by changing the name of the file to match the item number/name.

Step 3. The sales person logs into dropbox and sees the new file and can show it to buyers.

Step 4. They buyers place their orders and the sales person enters the order into the spreadsheet.

Step 5. The seller and the operations/shipping team can see the order and see the piece of clothing sold and the quantity and destination.

Step 6. Any employee can open the excel file and see upcoming orders and quantities.

Step 7. Sales are made and the company grows and then hires Neal as the head of operations where he continues to build an extensive database with multiple pictures, email reminders, extensive grouping, forecasting models, sales data, and much much more.

### **How the Program Works**

The excel sheet "MainList is where most of the action happens. I have added Buttons at the top to get the users started. I have spoken with the company and all employees currently use Dropbox.com so no install is needed. They will however have to share the same folder with each other for this to work. It's a simple process and I will bill hourly for this setup.

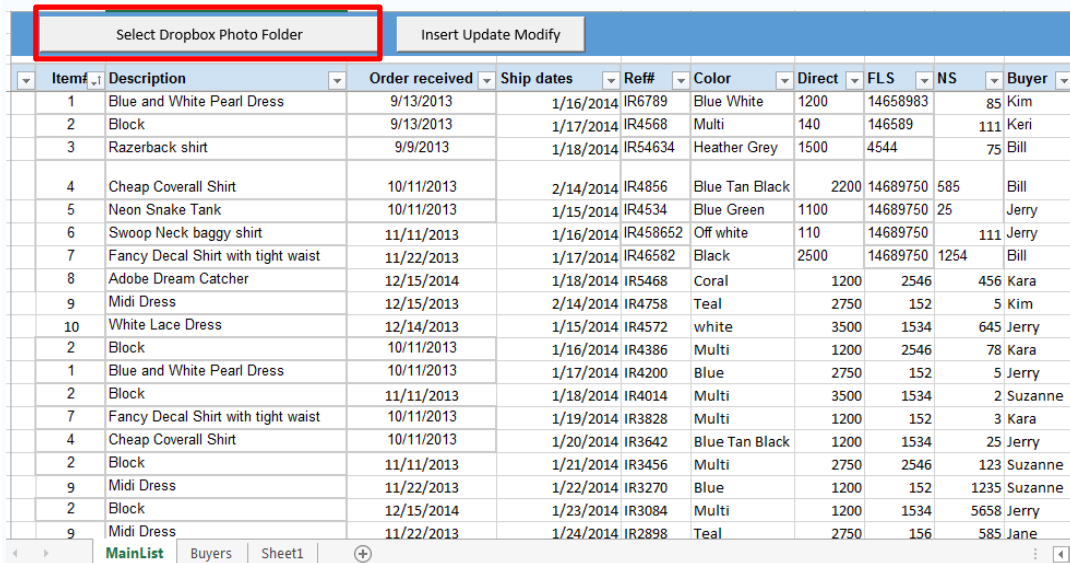
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# STYLE SHOPPER FINAL VBA PROJECT

## NEAL ARMSTRONG

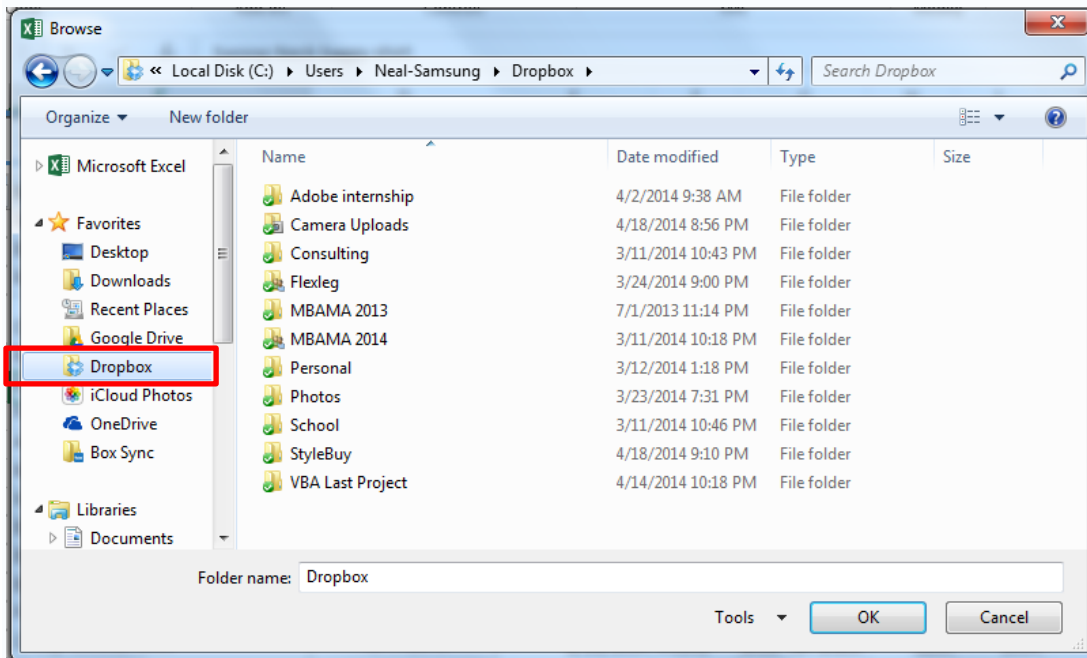
Find the path to the photos.

Click on the  button at the top of the MainList page.



Item#	Description	Order received	Ship dates	Ref#	Color	Direct	FLS	NS	Buyer
1	Blue and White Pearl Dress	9/13/2013	1/16/2014	IR6789	Blue White	1200	14658983	85	Kim
2	Block	9/13/2013	1/17/2014	IR4568	Multi	140	146589	111	Keri
3	Razerback shirt	9/9/2013	1/18/2014	IR54634	Heather Grey	1500	4544	75	Bill
4	Cheap Coverall Shirt	10/11/2013	2/14/2014	IR4856	Blue Tan Black	2200	14689750	585	Bill
5	Neon Snake Tank	10/11/2013	1/15/2014	IR4534	Blue Green	1100	14689750	25	Jerry
6	Swoop Neck baggy shirt	11/11/2013	1/16/2014	IR458652	Off white	110	14689750	111	Jerry
7	Fancy Decal Shirt with tight waist	11/22/2013	1/17/2014	IR46582	Black	2500	14689750	1254	Bill
8	Adobe Dream Catcher	12/15/2014	1/18/2014	IR5468	Coral	1200	2546	456	Kara
9	Midi Dress	12/15/2013	2/14/2014	IR4758	Teal	2750	152	5	Kim
10	White Lace Dress	12/14/2013	1/15/2014	IR4572	white	3500	1534	645	Jerry
2	Block	10/11/2013	1/16/2014	IR4386	Multi	1200	2546	78	Kara
1	Blue and White Pearl Dress	10/11/2013	1/17/2014	IR4200	Blue	2750	152	5	Jerry
2	Block	11/11/2013	1/18/2014	IR4014	Multi	3500	1534	2	Suzanne
7	Fancy Decal Shirt with tight waist	10/11/2013	1/19/2014	IR3828	Multi	1200	152	3	Kara
4	Cheap Coverall Shirt	10/11/2013	1/20/2014	IR3642	Blue Tan Black	1200	1534	25	Jerry
2	Block	11/11/2013	1/21/2014	IR3456	Multi	2750	2546	123	Suzanne
9	Midi Dress	11/22/2013	1/22/2014	IR3270	Blue	1200	152	1235	Suzanne
2	Block	12/15/2014	1/23/2014	IR3084	Multi	1200	1534	5658	Jerry
9	Midi Dress	11/22/2013	1/24/2014	IR2898	Teal	2750	156	585	Jane

Then find the Dropbox folder location on your computer then click OK.

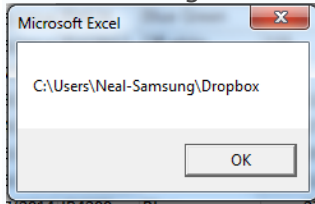


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# STYLE SHOPPER FINAL VBA PROJECT

## NEAL ARMSTRONG

Then a message box will appear with the folder path you just selected to make sure. Click ok.



Now this folder path will be stored in a different sheet so that if you save the file it will remain in it. I used the Application.FileDialog(msoFileDialogFolderPicker to get this to work.

Now you are ready to use the form by clicking on the Insert Update Modify button at top.

Select Dropbox Photo Folder		Insert Update Modify									
Item#	Description	Order received	Ship dates	Ref#	Color	Direct	FLS	NS	Buyer		
1	Blue and White Pearl Dress	9/13/2013	1/16/2014	IR6789	Blue White	1200	14658983	85	Kim		
2	Block	9/13/2013	1/17/2014	IR4568	Multi	140	146589	111	Keri		
3	Razerback shirt	9/9/2013	1/18/2014	IR54634	Heather Grey	1500	4544	75	Bill		
4	Cheap Coverall Shirt	10/11/2013	2/14/2014	IR4856	Blue Tan Black	2200	14689750	585	Bill		
5	Neon Snake Tank	10/11/2013	1/15/2014	IR4534	Blue Green	1100	14689750	25	Jerry		
6	Swoop Neck baggy shirt	11/11/2013	1/16/2014	IR458652	Off white	110	14689750	111	Jerry		
7	Fancy Decal Shirt with tight waist	11/22/2013	1/17/2014	IR46582	Black	2500	14689750	1254	Bill		
8	Adobe Dream Catcher	12/15/2014	1/18/2014	IR5468	Coral	1200	2546	456	Kara		
9	Midi Dress	12/15/2013	2/14/2014	IR4758	Teal	2750	152	5	Kim		
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1	Blue and White Pearl Dress	10/11/2013	1/17/2014	IR4200	Blue	2750	152	5	Jerry		
2	Block	11/11/2013	1/18/2014	IR4014	Multi	3500	1534	2	Suzanne		
7	Fancy Decal Shirt with tight waist	10/11/2013	1/19/2014	IR3828	Multi	1200	152	3	Kara		
4	Cheap Coverall Shirt	10/11/2013	1/20/2014	IR3642	Blue Tan Black	1200	1534	25	Jerry		
2	Block	11/11/2013	1/21/2014	IR3456	Multi	2750	2546	123	Suzanne		
9	Midi Dress	11/22/2013	1/22/2014	IR3270	Blue	1200	152	1235	Suzanne		
2	Block	12/15/2014	1/23/2014	IR3084	Multi	1200	1534	5658	Jerry		
9	Midi Dress	11/22/2013	1/24/2014	IR2898	Teal	2750	156	585	Jane		

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STYLE SHOPPER FINAL VBA PROJECT  
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The screenshot shows a 'Main Form' window with a title bar and a close button. A red rectangular border highlights the top section of the form, which contains five buttons: 'Add New Item', 'Save Current Information', 'Close Form Without Saving', 'Previous', and 'Next'. Below the buttons, the form is divided into several input fields. On the left side, there are fields for 'Item#' (containing '7'), 'Item Description' (containing 'Fancy Decal Shirt with tight waist'), 'Date Order Was Received' (containing '10/11/2013'), and 'Estimated Shipping Date' (containing '1/19/2014'). On the right side, there are fields for 'Color' (containing 'Multi'), 'Direct' (containing '1200'), 'FLS' (containing '152'), 'NS' (containing '3'), 'Internal Reference #' (containing 'IR.3828'), and 'Buyer's Name' (containing 'Kara'). On the far right, there is a 'Picture of Item' field containing a photograph of a woman wearing a patterned, short-sleeved top and blue jeans.

This button will open up the main form by using the show function. The form has many different features on it.

The **Add New Item** goes and finds the last Item Number in the column C and then goes down one spot to the empty cell. This is part of the code used to find the end. `.Range("B" & .Rows.Count).End(xlUp).row`. Then I re-Initialize the form and show the data so it blank. When I do this there is a Message Box that appears letting me know there is currently no photo for this item and I need to upload one.



The **Save Current Information** Button takes the current info and saves it back to the excel spreadsheet. This is a simple process where I used something like this `Cells(row, 2).Value = txtItem.Value`

The **Close Form Without Saving** is where I used `Unload me` to clear it out and close the form.

**Previous and Next** is where I used save the current data on the form then +/- the row and then showed the data again.

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# STYLE SHOPPER FINAL VBA PROJECT

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The form pulls the row where the active cell is. This is an example of how it pulls the information. `txtItem.Value = Cells(row, 2).Value`. The drop down box was similar as well

Main Form

Add New Item

Save Current Information

Close Form Without Saving

Previous

Next

Item#

Item Description

Date Order Was Received

Estimated Shipping Date

Color

Direct

FLS  NS

Internal Reference #

Buyer's Name

Suzanne

Keri

Kara

Bill

Jerry


Suzanne

Smith

Jane

Sally

Picture of Item



1/21/2014	IR3456	Multi	6	123	Suzanne
1/22/2014	IR3270	Blue	2	1235	Suzanne
1/23/2014	IR3084	Multi	4	5658	Jerry
1/24/2014	IR2898	Teal	6	585	lane

The photo was brought in using the path name we found earlier and concatenating it with the Item #. I created the variable `picturePath` and set it equal to `(Worksheets("Buyers").Cells(1, 2) & "\" & txtItem.Value & ".jpg")`. This way whatever computer the folders are in we can map directly to the photo files in that folder. I understand that errors may occur when typing the item # in and am planning on running a file directory of all images in the dropbox folder and then displaying those images in a drop down box similar to the Buyer's Name field now.

### Learning Points-

Here is a rapid fire approach to what I learned from this project.

- Starting is the hardest part
- Less code is better
- Create variable instead of retyping long strings

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STYLE SHOPPER FINAL VBA PROJECT  
NEAL ARMSTRONG

- Debug.print is your friend
- Testing and retesting is required
- Don't change the name of one field at the end of your project
- Save your work often
- Answers often came when I was thinking about the problem but not while I was sitting at my computer.
- Talk with people. I spoke with Mark about how he embedded a picture in a form. I had tried different methods and none of them worked that well. His method worked great.

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